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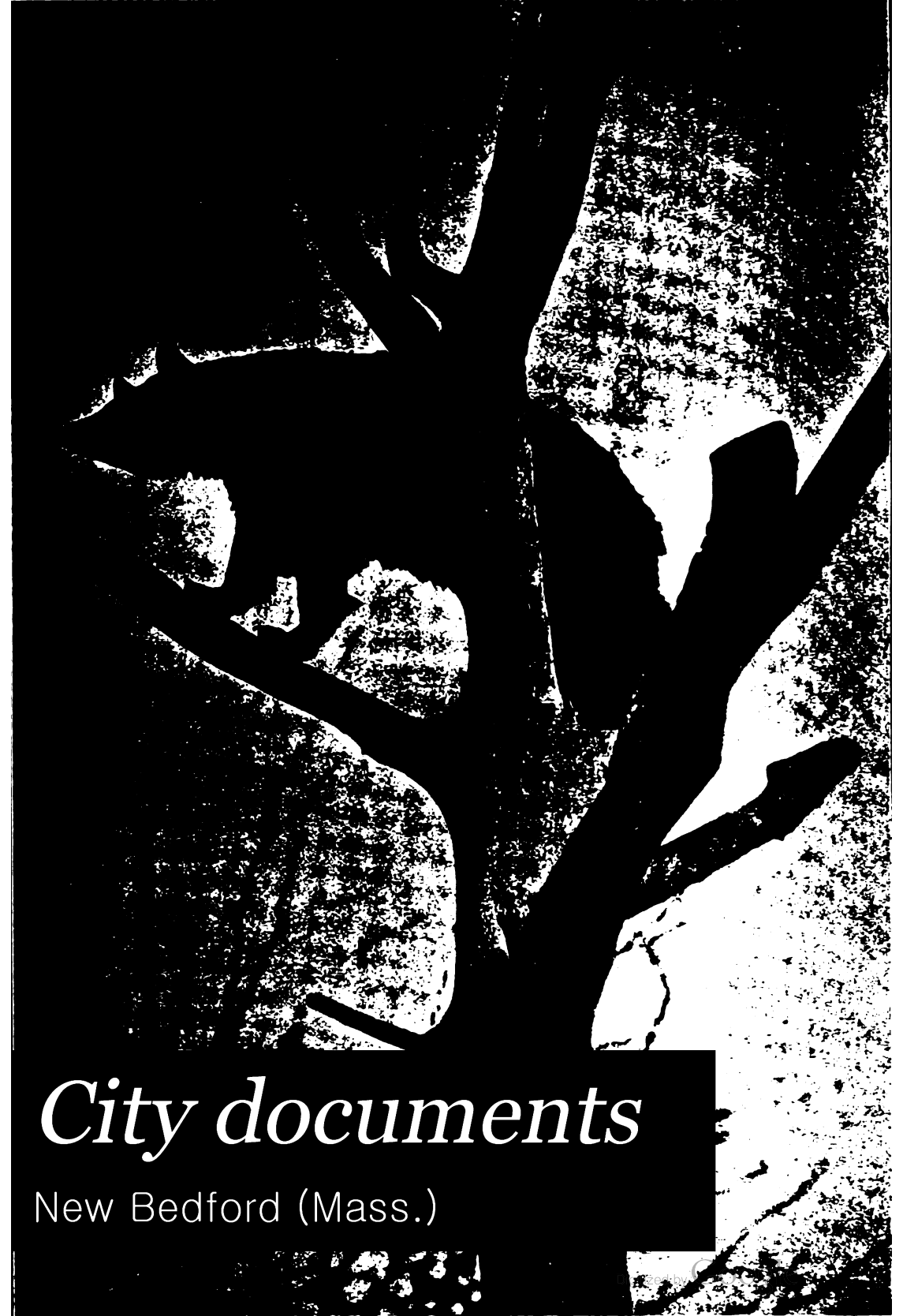
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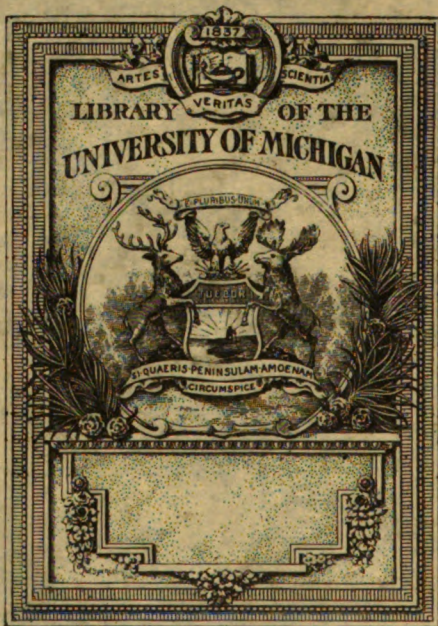
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# *City documents*

New Bedford (Mass.)





THE GIFT OF

*Mrs. Chas. P. Sawyer.*







JS

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N3

*New Bedford, Mass.*

# **CITY DOCUMENTS**

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## **Municipal Register 1915, Mayor's Address to the Council Annual Reports, Etc.**

**FOR THE YEAR 1914.**



**CITY OF NEW BEDFORD  
MASSACHUSETTS**



NEW BEDFORD, MASS.  
THE A. E. COFFIN PRESS, PRINTERS,  
1915

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# Municipal Register

JUNE 1, 1915.

## MAYOR.

HON. EDWARD R. HATHAWAY, 106 Brigham Street,  
Salary \$5,000.

## ALDERMEN—Salary \$100 each.

Ward One:—SAMUEL A. GOODFELLOW . . . 116 Hathaway Street  
Ward Two:—MORTIMER McCARTY, . . . . . 87 Hazard Street  
Ward Three:—EDWARD L. CRONIN, . . . . . 119 Maxfield Street  
Ward Four:—CLIFTON W. BARTLETT, 2 North Orchard Street  
Ward Five:—SAMUEL E. BENTLEY, . . . . . 106 South Street  
Ward Six: —GILBERT G. SOUTHWORTH, . . . 151 David Street

President:—ALDERMAN CRONIN.

Clerk:—W. H. B. REMINGTON.

## COMMON COUNCILMEN.

### Ward One.

ARTHUR A. AUDETTE . . . . . 1205 Acushnet Avenue  
RODOLPH J. CARRIER . . . . . 1220 Acushnet Avenue  
JAMES M. HUGHES . . . . . 162 Nash Road  
GEORGE D. LACROIX . . . . . 225 Bowditch Street

### Ward Two.

JAMES F. COLLINS . . . . . 27 Trinity Street  
WILLIAM A. HARRINGTON . . . . . 281 Summer Street  
JOHN H. HOLLIHAN . . . . . 79 Richmond Street  
ROBERT S. WEAVER . . . . . 168 Merrimac Street

### Ward Three.

CHESTER W. CHASE . . . . . 68 Hillman Street  
GEORGE T. DUCKWORTH . . . . . 57 Hill Street  
HUBERT S. KELLEHER . . . . . 1174 Purchase Street  
GEORGE E. LILLEY . . . . . 77 Thomas Street

### Ward Four.

FREDERICK J. J. ABRAMS . . . . . 237 Middle Street  
ROBERT BURKE . . . . . 178 James Street  
WARD M. PARKER . . . . . 188 Cottage Street  
WALTER H. PEIRCE . . . . . 304 Kempton Street

### Ward Five.

MURRAY F. BARROWS . . . . . 215 Hawthorn Street  
HARRISON T. BORDEN . . . . . 154 Fair Street  
JOHN McCULLOUGH, 3d . . . . . 38 South Sixth Street  
ROSSA MORIARTY . . . . . 302 Purchase Street

### Ward Six.

HENRY BRETON . . . . . 163 Bonney Street  
JOSEPH H. FERNANDES . . . . . 383 So. Second Street  
JAMES O'ROURKE . . . . . 185 Division Street  
JOHN WATLING . . . . . 35 Larch Street

President:—JAMES F. COLLINS.

Clerk:—CHARLES P. SAWYER. Salary, \$500.

### STANDING COMMITTEES OF THE MAYOR AND BOARD OF ALDERMEN.

**Burial Grounds**—Aldermen Bartlett (ch.), Southworth, Bentley.

**Enrollment**—Alderman Southworth (ch.), McCarty, Goodfellow.

**Licenses**—Alderman Cronin (ch.), Bentley, Bartlett.

**Streets**—The Mayor (ch.), Aldermen Cronin, Bentley.

**Police**—The Mayor (ch.), Aldermen Cronin, Southworth.

**Soldiers' Aid**—The Mayor (ch.), Aldermen Goodfellow, Southworth.

### JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

**Armories and Military Property**—Aldermen Southworth (ch.), Bentley; Councilmen Hughes, Lacroix and Borden,

**Audit**—Aldermen McCarty (ch.), Goodfellow; Councilmen Chase, Barrows and McCullough.

**Bath Houses**—Aldermen Southworth (ch.), McCarty; Councilmen Carrier, Duckworth and Watling.

**Buildings in the Fire Districts**—Aldermen Bartlett (ch.), Cronin; Councilmen Weaver, Lilley and Parker.

**Charities, Almshouse and the Poor**—Aldermen Cronin (ch.), Southworth; Councilmen Watling, Burke, and Moriarty.

**City Property**—Aldermen Bartlett (ch.), Cronin; Councilmen Duckworth, Peirce and Moriarty.

**Claims**—Aldermen Bentley (ch.), Goodfellow; Councilmen Carrier, Lilley and Breton.

**Education**—Aldermen Bartlett (ch.), Bentley; Councilmen Lilley, Borden and O'Rourke.

**Finance**—The Mayor (ch.), Alderman Cronin; Councilmen Lacroix, Collins, Duckworth, Abrams, Barrows and Fernandes.

**Fire Department**—Aldermen Goodfellow, (ch.), McCarty, Councilmen Hughes, Weaver and Fernandes.

**Fuel**—The Mayor (ch.), Alderman McCarty; Councilmen Kelleher, Burke and McCullough.

**Ordinances**—Alderman Bentley (ch.), Goodfellow; Councilmen Audette, Hollihan and O'Rourke.

**Printing**—Alderman McCarty (ch.), Councilmen Harrington and Abrams.

**Roads, Bridges and Sewers**—Aldermen Cronin (ch.), Bentley; Councilmen Abrams, Peirce, Borden.

**Street Lights**—Aldermen Bentley (ch.), Goodfellow; Councilmen Chase, Kelleher and Parker.

**Water Works and Water Supply**—Aldermen McCarty (ch.), Cronin; Councilmen Lacroix, Hollihan and Burke.

**Wharves**—Aldermen Southworth (ch.), Goodfellow; Councilmen Barrows, McCullough and Harrington.



## STANDING COMMITTEES OF THE COMMON COUNCIL.

**Bills in the Second Reading**—Councilmen Hollihan (ch.), Audette and Breton.

**Elections and Returns**—Councilmen Watling (ch.), Lacroix and Breton.

**Enrolled Ordinances**—Councilmen Carrier (ch.), Audette and O'Rourke.

## DEPARTMENTS.

**City Clerk**—WALTER H. B. REMINGTON, Salary \$2,700. 219 Ash Street. **Assistant City Clerk**—JAMES DIGNAM, Salary \$1,500, 289 Maple Street.

**City Treasurer and Collector of Taxes**—WILLIAM S. COOK, Salary \$3,500. 48 Morgan Street.

**City Auditor**—CHARLES J. MCGURK, Salary \$2,500, 79 Rockland Street. **Assistant City Auditor**—EDWIN L. TILLINGHAST, Salary \$1,700, 180 Clinton Street.

**Clerk of Committees**—CHARLES P. SAWYER, Salary \$1,500. 42 Park Street.

**City Solicitor**—HENRY E. WOODWARD, Salary \$2,500. 40 Florence Street.

**City Engineer**—GEORGE H. NYE, Salary \$2,500. 23 Arnold Place.

**Superintendent of Streets**—WILLIAM P. HAMMERSLEY, Salary \$3,000, 16 Maple View Terrace.

**Superintendent of Public Buildings and Inspector of Buildings**—JOSEPH L. GIBBS, Salary \$2,500. 569 Purchase Street.

**Inspector of Wires**, WILLIAM P. BRIGGS. Salary \$1,500. 28 Priscilla Street.

## OTHER OFFICIALS.

**City Physician**—Salary \$550. SAMUEL K. SEGALL, M. D. 1208 Acushnet Avenue. Term expires February, 1917.

**Sealer of Weights and Measures**—JOHN H. RYAN, 563 Cottage Street. Salary \$1,200.

**City Forester**—WILLIAM P. HAMMERSLEY, Superintendent of Streets, ex-officio. Salary \$100.

**Superintendent of Sewers**—WILLIAM P. HAMMERSLEY, Superintendent of Streets. Salary \$100.

**Harbor Master**—CHARLES H. PURRINGTON, 122 Fair Street. Salary \$300.

**City Wharfinger**—HENRY F. WEST. 209 So. Second Street. Fees.

**Inspector of Crude Petroleum**—ORVILLE E. YOUNG. 246 Palmer Street. Fees.

**Fence Viewers**—ROBERT E. EDWARDS, 171 Kempton Street; MANUEL A. WILLIAMS, 498 Bolton Street; THOMAS THORLEY, 467 Allen Street. Fees.

## MUNICIPAL REGISTER

**Caretaker of Graves of Soldiers and Sailors** — HURLBURT E. THOMAS, 177 Shawmut Avenue, (Assistant Superintendent of Cemeteries.) No salary.

**Registrar of Labor** (Under Massachusetts Civil Service Commission) — WILLIAM J. CARTER, 409 Bolton Street. Salary \$300.

**Consulting Engineer, Intercepting Sewer** — WILLIAM F. WILLIAMS, 34 Court Street. Salary \$2,000.

**Superintendent of Sewers**—Superintendent of Streets, ex-officio.

**Inspector of Milk, Provision and Animals Intended for Slaughter** —Dr. Herbert B. Hamilton, 79 Hillman Street. Salary \$1,700.

## BOARD OF HEALTH.

Salary \$500 each

J. UBALDE PAQUIN, M. D. Term expires February, 1917

COOPER GAW, Term expires February, 1918

JOSEPH R. GLENNON, Term expires February, 1916

J. UBALDE PAQUIN, M. D., Chairman

Agent and Executive Officer — Salary \$2,200.

WILLIAM G. KIRSCHBAUM

Clerk — Salary \$1,000

SUSAN J. SMALL,

Assistant to Clerk — \$12 per week.

EDNA E. WRIGHT,

Sanitary Inspectors 2, \$1,100 each: 1, \$21 per week.

ROBERT N. B. DOANE, THOMAS DAHONEY,

JOHN E. GLENNON.

Inspectors of Plumbing—Salary, \$1,500 each.

LOUIS H. RICHARDSON, WILLIAM DEACON.

Medical Inspector—Salary, \$1,000

A. N. SENESAC, M. D.

Occulist—Salary \$2000

A. NORMANDIN, M. D.

Bacteriologist—Salary \$1,000

A. H. MANDELL, M. D.

Quarantine Physician

JOSEPH A. FRASIER, M. D.

Public Vaccinators

L. K. DORAN, M. D. R. D. HEAP, M. D.

Nurse — \$19 per week.

SARAH W. CHASE

Nurse to Parochial Schools—\$20 per week for 40 weeks.

CATHERINE W. LOWNEY

Medical School Inspectors—Salary, \$400 each

DR. A. V. PIERCE

DR. E. ST. J. JOHNSON

DR. CHARLES SHANKS

DR. J. F. WEEKS

DR. W. A. NIELD

DR. J. P. ST. GERMAIN

DR. F. P. SEAVER, JR.

DR. J. C. ROSS

DR. CHAS. M. ATCHISON

DR. D. J. LOWNEY

Inspector of Milk, Provisions, Slaughtering, etc.—Salary, \$1,700

H. B. HAMILTON, D. V. S.

**ASSESSORS.**

Salary \$2,000 each

<b>JOHN H. FINNFL</b> , Chairman	Term expires 1917
<b>JOHN HANNIGAN</b> , Secretary	Term expires 1915
<b>JOSEPH H. HANDFORD</b> ,	Term expires 1916

**Assistant Assessors**

Salary \$4.00 per day when employed.

Ward 1—**JOSEPH A. DIONNE**  
 Ward 2—**JAMES H. HOLDEN**  
 Ward 3—**FREDERICK A. WASHBURN**  
 Ward 4—**ROLAND A. LEONARD**  
 Ward 5—**FREDERICK D. SOULE**  
 Ward 6—**MATTHEW QUINLAN**

**OVERSEERS OF THE POOR**

Salary, \$300 each

**ULRIC E. COLLETTE**, Chairman

<b>CHARLES E. VAUGHAN</b> ,	Term expires May 1, 1916
<b>ULRIC E. COLLETTE</b> ,	Term expires May 1, 1917
<b>ANTONIO A. FERNANDES</b> ,	Term expires May 1, 1918

Secretary and Almoner—Salary, \$1,800  
**DOUGLAS L. MCGEE**

Stenographer—Salary \$15 per week  
**LUCY E. BROADBENT**

Visitor and Portuguese Interpreter—Salary, \$1,400  
**ANTONE H. SENNA**

Clerk and French Interpreter—Salary, \$1,200.  
**JOSEPH A. DESJARDINS**

**Physicians to Board** — Salary, \$50 per month each.

Physician to the North District  
**ARTHUR L. BRUNELLE, M. D.**

Physician to the Centre District  
**HARRY L. STEVENS, M. D.**

Physician to the South District  
**LOUIS A. PERRAS, M. D.**

Superintendent of Almshouse, Salary \$1,050  
**THOMAS F. BROWN**

Matron of Almshouse—Salary \$400  
**CATHERINE E. BROWN**

Physician to the Almshouse—Salary \$75 per month.  
**EDWARD T. TUCKER M. D.**

Chaplain of Almshouse  
**REV. CHARLES S. THURBER**

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**EDWARD R. HATHAWAY**.....Mayor of the City.  
**JAMES F. COLLINS**.....President of the Common Council.  
**CLIFTON W. BARTLETT**, Chairman of the Committee of the City Council on Education.

**Elected by the City Council**

<b>FRANCIS M. KENNEDY</b> ,	Term expires April, 1916
<b>OTIS SEABURY COOK</b> ,	Term expires April, 1916
<b>ABBOT P. SMITH</b> ,	Term expires April, 1917
<b>JIREH SWIFT, JR.</b> ,	Term expires April, 1917
<b>FRANK A. MILLIKEN</b> ,	Term expires April, 1918
<b>SAMUEL F. WINSER</b> ,	Term expires April, 1918

**President of the Board**  
**THE MAYOR**

**Clerk**  
**GEORGE H. TRIPP**

**COMMISSIONERS OF SINKING FUND**

**WILLIAM A. MACKIE**, Chairman

<b>JOHN T. BULLARD</b> ,	Term expires March, 1916
<b>WILLIAM A. MACKIE</b> ,	Term expires March, 1917
<b>CHARLES S. KELLEY, JR.</b> ,	Term expires March, 1918

**WILLIAM S. COOK**, Secretary and Treasurer—Salary \$300

**NEW BEDFORD WATER WORKS****New Bedford Water Board**

**EDWARD R. HATHAWAY**, Mayor, ex-officio, President  
**JAMES F. COLLINS**, President of Common Council, ex-officio  
**WILLIAM H. PITMAN**, Term expires June, 1918  
**FRANCIS P. WASHBURN**, Term expires June, 1916  
**LETTICE R. WASHBURN**, Term expires June, 1917

**Clerk**

**ROBERT C. P. COGGESHALL**

Superintendent—Salary, \$3,000

**ROBERT C. P. COGGESHALL**

Water Registrar—Salary, \$1,800

**CLIFFORD BAYLIES**

**BOARD OF PARK COMMISSIONERS**

**SAMUEL P. RICHMOND**, Chairman

<b>WILLIAM J. KERWIN</b> ,	Term expires 1st Monday in May, 1920
<b>WILLIAM KEITH</b> ,	Term expires 1st Monday in May, 1916
<b>WILLIAM F. CASWELL</b> ,	Term expires 1st Monday in May, 1917
<b>ANTONE L. SYLVIA</b> ,	Term expires 1st Monday in May, 1918
<b>SAMUEL P. RICHMOND</b> ,	Term expires 1st Monday in May, 1919

**WILLIAM F. CASWELL**, Secretary

General Superintendent—Salary, \$2,000

**THOMAS W. COOK**

**CEMETERY BOARD**

WILLIAM M. HIGHAM, Chairman

WILLIAM M. HIGHAM, Term expires May 1, 1918  
 JOHN G. NICHOLSON, Term expires May 1, 1916  
 CHARLES H. VINAL, Term expires May 1, 1917

CHARLES H. VINAL, Secretary

Assistant Superintendent of Cemeteries—Salary, \$1,200  
 HURLBERT E. THOMAS

**REGISTRARS OF VOTERS**

Salary \$400 each

JOSEPH C. PATNAUDE, (Rep.) Chairman Term expires May, 1916  
 CHANNING WILDE, (Dem.) Term expires May, 1917  
 WILLIAM J. GLASGOW, JR., (Dem.) Term expires May, 1918  
 W. H. B. REMINGTON, (Rep.) Clerk, Salary, \$300.

**LICENSING BOARD**

Salary, \$500 each

JOHN V. THUOT, Chairman and Secretary

JOHN V. THUOT, (Rep.) Term expires 1916  
 GEORGE H. POWER, (Dem.) Term expires 1918  
 MINER W. WILCOX (Rep.) Term expires 1920

**FIRE DEPARTMENT**

**Board of Fire Engineers**

EDWARD F. DAHILL, Chief Engineer, Term expires April, 1918  
 Salary, \$2,500.  
 JAMES J. DONAGHY, First Assistant Engineer, Term expires 1st  
 Monday in May, 1916. Salary, \$1,700.  
 WILLIAM E. WATSON, Jr., Second Assistant Engineer. Term expires  
 1st Monday in May 1916. Salary, \$1,500.  
 FRANK R. PEASE, Third Assistant Engineer. Term expires 1st  
 Monday in May 1916. Salary, \$1,500.  
 JOSEPH P. KENNEDY—Clerk of Board. Salary, \$500.



**THE NEW BEDFORD PROTECTING SOCIETY.**

1915—1916

**PRESIDENT:****CHAS. S. KELLEY, JR.****DIRECTORS.**

<b>HENRY S. HUTCHINSON</b>	<b>F. OSCAR COVILL</b>
<b>THOMAS B. AKIN</b>	<b>F. P. R. PATTERSON</b>
<b>CHAS. S. BAYLIES</b>	<b>JOSEPH F. CORNWELL</b>
<b>EDWARD B. ROBBINS</b>	<b>ERNEST H. BOUCHER</b>

**SECRETARY AND TREASURER:****CHESTER P. REXFORD**

Allen, Geo. H. H.  
 Bates, Clarence A.  
 Webber, James A.  
 Swift, Horace W.  
 Blair, John K.  
 Dawe, William C.  
 Bonneau, F. A.  
 Bourne, Williams S.  
 Brightman, Harry C.  
 Brooks, Arthur T.  
 Coe, I. H., Jr.  
 Coggeshall, R. C. P.  
 Brooks, Andrew J.  
 Williams, Thos. W.  
 Knowles, Jos. F.  
 Delano, Arthur D.  
 Read, W. Kempton  
 Francis, James P.  
 Covill, Clarence W.  
 Gifford, Frank H.  
 Gifford, Thos. J.  
 Chase, Chester W.  
 McDonald, Henry J.  
 Howard, Henry, Jr.  
 Budlong, James E.  
 Humphrey, Jas. L., Jr.  
 Taber, George C.  
 Knowles, Henry S.  
 Lewis, Edgar R.  
 Macy, Frederick B.  
 Macy, George I.  
 Macy, J. Roland  
 Shaw, John C.

Manchester, P. F.  
 Mendelson, Hyman  
 Tuell, Clifton P.  
 Watson, Edwin M.  
 Makin, Henry J.  
 Parker, David L.  
 Perry, Samuel H.  
 Pitman, William H.  
 Poirer, Aime J.  
 Potter, William F.  
 Oesting, Edward A.  
 Olivier, Geo. L.  
 Oman, Charles E.  
 Smith, Nat. C.  
 Richardson, Louis H.  
 Francis, Arthur S.  
 Phillips, William C.  
 Robinson, Wm. A., Jr.  
 Butler, Morgan  
 Sharples, Charles S.  
 Sharples, Arthur  
 Smith, Alex. T.  
 Dunham, Otis M.  
 Sullivan, D. J.  
 Sears, Louis A.  
 Taber, Frederic H.  
 Taylor, Wm. T.  
 Whittemore, Harry E.  
 Wagner, Isaiah C.  
 Jason, Alonzo V., Jr.  
 Wood, Horace  
 Burke, Harry

**POLICE DEPARTMENT.****Chief**

Salary, \$2,500

TIMOTHY C. ALLEN

**Deputy Chief**

Salary, \$1,800

JOHN C. PARKER

**Captains**

Salary, \$1,500 each

THOMAS J. TAFT .....

**Inspectors**

Salary \$23.86 per week each.

WALTER ALMOND

GEORGE R. LAWRENCE

FRANK W. SYLVIA

**Lieutenants**

Salary \$23.86 per week each

LEMUEL D. ADAMS

JEREMIAH McCARTHY

DANIEL DENEEN

WILLIAM E. ROSCOE

THOMAS FAY

HARRY D. STOW

WILLIAM FOWLER

WILLIS C. UNDERWOOD

CHARLES L. McBAY

JOSEPH B. WING

**Sergeants**

Salary \$22.42 per week each.

NARCISSE A. BREAUULT

FRANK L. REMINGTON

EDWARD P. DOHERTY

JAMES W. SAVAGE

SAMUEL D. McLEOD

CHESTER L. TRIPP

**Police Matron**

Salary \$2.00 per day

SARAH M. BROWNELL

**Keeper of the Lockup**

Salary, \$100 per year

TIMOTHY C. ALLEN

**PATROLMEN**

Salary: 1st year \$2.25 per day.  
 2d year \$2.50 per day.  
 3rd year \$3.00 per day.

Aillery, Constant  
 Allen, Charles E.  
 Almond, William, Jr.  
 Ashley, Henry T.  
 Astley, Thomas  
 Barbour, Robert L.  
 Boehler, Max F.  
 Bolton, James E.  
 Breault, Joseph A.  
 Briggs, Myron S. A.  
 Brightman, Ellery E.  
 Brophy, Edward O.  
 Butts, Henry  
 Cash, James  
 Caswell, Charles A.  
 Chase, Raymond  
 Cleary, William E.  
 Cole, William T.  
 Craft, James F.  
 Crapo, Albert A.  
 Cushing, William S.  
 Dahoney, Thomas  
 Daley, Charles F.  
 Deane, James  
 Doherty, Thomas  
 Downey, Daniel  
 Downey, John B.  
 Downey, William M.  
 Dupuis, Patrick H.  
 Dupuis, Wilfred H.  
 Durant, Lawrence J.  
 Earley, Edward C.  
 Ellis, Harry C.  
 Evans, John  
 Fanning, John F.  
 Fay, John H.  
 Fell, Charles  
 Fernandes, Joseph A.  
 Foley, Edmund  
 Francis, Antone  
 Freitas, Manuel  
 Gatenby, James S.  
 Gibbs, Nathaniel F.  
 Glennon, William F.  
 Gorner, Arthur  
 Grant, George P.  
 Gregory, William  
 Hafford, Stephen, Jr.  
 Haggerty, Timothy F.

Haran, Luke T.  
 Haran, John F.  
 Harding, James P.  
 Harrington, Daniel  
 Hayden, Abram L.  
 Head, Edgar E.  
 Hickey, William B.  
 Holloway, Arod B.  
 Horton, Eliphalet H.  
 Howland, William A. E.  
 Hynes, Edward A.  
 Irwin, Henry, Jr.  
 Ivey, James A.  
 Jacobs, Ellsworth C.  
 Jenkins, Thomas J.  
 Johnson, Harry  
 Karcher, Frederick, Jr.  
 Lamothe, Benjamin  
 Leahy, William T.  
 Lentz, Joseph A.  
 Lowther, George H.  
 McKinstry, Albert B.  
 Manning, Joseph S.  
 McCarthy, William H.  
 McCrohan, John H.  
 McGoff, James E.  
 McDonald, Daniel J.  
 McEnnis, Robert B.  
 McKay, John T.  
 Miller, John J.  
 Mitchell, William  
 Moore, James J.  
 Mosher, Albert E.  
 Mullins, Enoch  
 Murphy, Edward  
 Murphy, Francis A.  
 Murphy, Lawrence  
 Nault, Joseph  
 Neagus, Melvin E.  
 Nelson, Ivar V.  
 Oliver, John F.  
 Phinney, Charles E.  
 Pieraccini, Raphael  
 Place, Joseph A.  
 Pollock, John H.  
 Prifogle, Edward  
 Raymond, Edward  
 Raymond, Hiram E.  
 Rooks, Albert H.

Sanders, Joseph A.	Taber, Jeremiah H.
Searrell, William E.	Touchette, Hermes
Sherman, George A.	Velho, Augustine F.
Smith, Charles F.	Vogel, Robert F.
Souza, William H.	Welsh, William
Spooner, John C.	White, Albert B.
Staples, Walter C.	Winterson, Henry B.
Sullivan, James H.	Wilcox, Seth A.
Sullivan, Mathew	Williams, Benjamin F., Jr.
Sundin, Carl A.	Williams, Charles H.
Sweeney, Daniel P.	Wixon, James A.
Sylvia, Antone F.	Woolfenden, Albert

**EMERGENCY OFFICER:**

Salary \$3.00 per day.

Patrick Kennedy

**WAGONMEN:**

Murdy, Robert H.

Paige, George W.

**CHAUFFEURS**

Dalbec, Edmond  
 Meade, James  
 Nickerson, Charles F.

Patterson, Charles G.  
 Ryan, William M.  
 Turgeon, Joseph V.

**HOUSEKEEPERS:**

Salary \$2.50 per day.

Arnett, James W.  
 Cannavan, Patrick  
 Dodds, James  
 Humphrey, Daniel J.  
 Kenney Patrick

Meehan, Daniel  
 Rooks, John C.  
 Smith, Andrew J.  
 Sullivan, Timothy  
 Wilson, Thomas H.

**PENSIONED:**

Clough, George V.  
 Jones, Arthur H.

Comstock, Thomas W.  
 Mason, Henry W.

**JANITORS:**

Allen, Charles G.

Drew, Moses C.

## RESERVE POLICE :

Astley, Maurice	Kinney, Joseph R.
Benoit, William R.	Lemaire, Anthony C.
Bourgeois, Albini	Marder, James
Brennan, Michael J.	McDonald, William F.
Burke, John E.	McDonnell, James
Cafferty, John	McFarlane, Joseph A.
Chausse, Onat A.	Mott, Cassius B.
Davies, John W.	Muldoon, Thomas
Degrass, Charles H.	Parkinson, John
Dupuis, Bernard	Perry, Anthony E.
Downey, Stephen P.	Reddy, Michael
Fay, Miles L.	Seddon, Thomas
Faunce, Albert M.	Stanley, Charles A.
Gobiel, Joseph	Turgeon, Francois X.
Hawes, Harry C.	Vincent, Charles H.
Howes, Charles M.	Walsh, John P.
Kane, John	Walsh, William
Kelley, Michael J.	Wooley, Thomas
Kinney, William E.	

## SPECIAL POLICE OFFICERS :

Adams, John	Brownell Herbert A.
Algar, Reuben T.	Buckley, Alfred R.
Allaire, Alphonse J.	Buckley, John P.
Allen Charles G.	Buckley Maurice L.
Allen, David W.	Burgess, Stephen
Allen, George H.	Burke, Charles
Amaral, Nedhart F.	Burke, Harry
Anderton, Arthur	Burke, Michael I.
Andrews, William	Burke, Raymond
Arendt, Walter	Burt, Hadley A.
Arnett, Robert	Butts, Henry R., Jr.
Arruda, Manuel	Butts, James D.
Audette, John	Callahan, John
Avilla, Joseph P.	Cantwell, John T.
Baker, Daniel A.	Cardin, Adelard Eddie
Baker, Daniel W.	Carney, John F.
Baldwin, Walter Jr.	Carter, John
Bariteau, Victor J.	Cathcart, Charles E.
Bear, John G.	Cash, James
Benoit, Alfred F.	Charpentier, Hormidas
Bentley, Frank T.	Chase, Aruna S.
Berry, James H.	Chenoweth, H. A.
Bliss, Frederick P.	Clark, Edward
Bliss, William H.	Clark, William
Bonnin, Narcisse	Clarkson, Nicholas J.
Booth, Benjamin T.	Claudino, Manuel L.
Booth, Charles L.	Clitheroe, Thomas
Booth, John	Clynes, Thomas
Bosworth, Joseph	Collins, John
Bourbeau, Augustine	Conklin, Abraham
Bourgeault, Agon	Connelly, Daniel J.
Brown, William L. G.	Connolly, John



Corley, Maurice C.	Gendron, George D.
Cornell, Abraham	Gibbs, George H.
Cornell, Sydney I.	Gibbs, Preston H.
Corson, J. A.	Gibbs, William H.
Cote, Joseph	Gifford, George H.
Cowen, James L.	Gifford, John
Cronin, Cornelius	Gifford, John F.
Crow, James	Glennon, Thomas F.
Cummings, Archibald	Gomes, Michael
Cunningham, George W.	Gray Shirley H.
Davenport, Charles H.	Greene, Joseph S.
Davis, Alfred A.	Greene, Marshall S.
Dawe, William C.	Greer, John
Dean, Thomas F.	Gregoire, Philias
Demars, Arthur	Grew, John W.
Dessert, Antoine	Guyer, Henry
Devoll, George H.	Hannigan, John
Doiron, Wilfred	Harrington, Cornelius
Driscoll, Patrick J.	Harrington, Daniel H.
Dubois, Eugene	Harrington, John S.
Duckworth, William A.	Hathaway, Henry L.
Duffy, Thomas	Hathaway, John T.
Dunlevy, Thomas	Hatton, Charles
Dutra, Manuel	Henner, Noe
Duval, Napoleon	Heron, James T.
Dwyer, Thomas	Higginbottom, Eli
Dwyer, Walter	Hildreth, Samuel
Edwards, Robert E.	Hill, Frank Leslie
Eldridge, Samuel T.	Hoarle, George E.
Ellis, Robert C.	Holland, William H.
England, George	Holloway, James T.
Fairclough, Thomas	Holmes, Ezra
Fanning, John F.	Holmes, John J.
Farnham, Charles W.	Holmes, Thomas C.
Fay, Miles H.	Houle, Dolor A.
Ferguson, Joseph	Howland, George W.
Ferguson, William	Howland, William G.
Fernandes, Joseph H.	Hurll, Daniel
Field, Edward H.	Irwin, Henry
Fournier, Aldei	Jameson, Frederick
Francis, William H.	Jason, Alonzo M. Jr.
Gauthier, Levi	Jason, Antone
Fingal, Stening	Jameson, Harry A.
Finn, Michael	Jennings, Charles E.
Flathers, Walter J.	Johnson, Oscar
Folger, Frank	Johnson, William Harold
Foster William E.	Jones, John J.
Fournier, Napoleon J.	Jordan, F. C.
Francis, Frank W.	Kelley, Hiram C.
Francis, Frederick J	Kennedy, Augustus M.
Francis, Joseph K.	Kennedy, Thomas
Furtado, Manuel J.	Kenyon, Benjamin W.
Garvin, Patrick F.	Kiernan, Thomas
Geary, Albert V.	King, Joseph T.
Geddis, Henry S.	Kniffen, Lewis

Lagasse, Telesphore	O'Malley, William
Lajoie, Eugene	O'Dette, J.
Lamery, Arcade	Outlaw, Walter E.
Leary, Dennis, Jr.	Palmer, Robert
Leary, Michael M.	Parker, Charles W.
LeClair, William	Peltier, Joseph P.
Lefere, Louis	Petty, Benjamin H.
Leite, Louis	Phillips, Henry T.
Levasseur, Ludger	Pierce, Clarence E.
Lima, Anthony M. Jr.	Pierce, Jason F.
Lima, Joseph	Pierce, Thomas H.
Little, Frank	Place, William J.
Little, John E.	Poirier, Thomas M.
Littler, Henry	Pollock, Frederick O.
Lumbert, Hiram T.	Pollock, John H.
Lupo, E. D.	Potter, Walter S.
Luther, Joseph P.	Quntanhla, Antonio V.
Lyons, John	Rainville, Joseph G.
Lynch, Simeon F.	Rau, Gustavus L.
Lyng, William H.	Rawstron, John
Macia, William H.	Read, Richard A.
Macomber, H. M.	Reed W. Kempton
Magnant, Isaie	Reed, Frank F.
Magnant, John B.	Resendes, Frank F.
Mallon, John	Resendes, Seraphin
Marshall, Thomas R.	Reynolds, Charles H.
Martel, Henry	Reynolds, James R.
Matthews, Howard L.	Richie, David
McCann, Edward J.	Ridings, Thomas H.
McCoy, Patrick	Riley, Thomas S.
McDonald, Patrick J.	Robbins, Edmund M.
McHugh, John	Robinson, Charles
McKenna, Frank	Rooney, John L.
McSally, James	Rosseau, Arthur
Mello, Jose Jacinto	Rouiller, Domina
Melzer, Alois	Roy, John V.
Menez, Manuel	Roy, Romuald J.
Miller, George	Russell, Edward
Montague, Henry	Sadler, William G.
Moran, Charles	Salmon, John
Morosse, Alfred	Sargent, William A.
Morrison, Thomas	Sawyer, William
Morrissey, Alex	Senesac, Harvey
Mosher, Willard B.	Shaw, John C., Jr.
Mott, Cassius B.	Shea, Michael J.
Mullins, James J.	Sheenan, Daniel D.
Mullins, John	Sheffield, John P.
Nault, Joseph	Sherman, John
Nelson, Samuel J.	Sicard, Phillippe
Netcher, George F.	Silva, Amador
Noonan, Thomas	Silva, Joaquin da
Normandin, Frank	Simpson, Andrew A.
Norton, Charles H.	Slater, Rothwell
Oliveira, Antone	Smethurst, Harry
Oliver, John	Smith, Henry H.

Soucy, Joseph	Thornton, John H.
Souza, Arthur E.	Tripp, Benjamin E.
Souza, Manuel	Tripp, Leroy G.
Sowle, Herbert T.	Tucker, Theodore L.
Spicer, Robert H.	Tyson, James
St. Aubin, Philip	Viera, Joseph S.
St. Peter, Albert	Viera, Joseph
Staples, Ellis	Vera, Louis
Stephens, H. A.	Wagner, I. C.
Stephens, Michael	Walsh Joe
Stephenson, John	Ward, David G. F.
Sutcliffe, Arthur	Warfield, James H.
Sweeney, James	Waters, Charles O.
Swift, Horace W.	Watts, William H. C.
Sylvia, Charles G.	Webb, Elijah
Sylvia, John J.	Weedall, Samuel
Sylvia, Manuel	Wells, L. A.
Sylvia, Manuel (No. 2.)	Westwood, Benjamin
Taber, George C.	Whitehead, Albert
Tallman, Edward S.	Whitman, William
Taylor, Henry	Wilbur, Allen R.
Taylor, William A.	Wilbur, William
Taylor, William J.	Wilcox, Otis A.
Tebarge, John	Wildman, David
Thomas, Edward, Jr.	Wilcox, William H.
Thomas, Joseph S.	Wiley, James
Thomas, Foldo	Wilkinson, Henry
Thompson, George L.	Williston, Hiram L.
Thompson, James A.	Wood, James A.
Thompson, Thomas	York, Irving LeRoy

## CONSTABLES :

## The Members of the Police Force and

Barnum, James E.	Patnaude, Joseph C.
Benoit, Alfred F.	Picanco, Joao
Black, Jacob	Poirier, Thomas M.
Damon, Clarence L.	Raulino, Antone J.
Dean, John H.	Reynolds, Charles H.
Doane, Robert N. B.	Sciolenno, Gaetano
Edgerton, William J.	Shuster, Hyman
Foster, William E.	Simmons, Charles H.
Francis, Frederick J.	Sweeney, William J.
Galligan, Patrick J.	Sweet, Isaac H.
Gaucher, Elphege	Sylvia, Antone A.
Greene, Anthony F.	Sylvia, Ralph R. S.
Hall, William Patrick	Sylvia, Thomas A.
Jackson, Herbert M.	Sylvia, Wm. K.
Luce, John E.	Sylvieira, Manuel J., Jr.
Lynch, John W.	Vieira, John C.
Melody, Anthony J.	Waldman, Louis
Noyer, John C.	Wilcox, Otis N.

## PUBLIC WEIGHERS.

Allen, Lesley	Coe, Walter L.
Almy, Walter C.	Coe, William A.
Anderson, Thomas	Comeau, John
Andrews, Manuel A.	Comey, Charles M.
Andrews, William	Connolly, Joseph D.
Ashley, Andrew H.	Connors, James
Ashley, Roland R.	Cooper, Joseph
Audette, John	Cordeira, John
Axelson, Emanuel	Cornelius, Orrin S.
Baldwin, John	Coupe, Horace R.
Bardsley, Edwin, Jr.	Cowen, Edson S.
Bariteau, Alfred J.	Coxen, Harold M.
Bariteau, Joseph L.	Crowley James T.
Barrett, John	Coyle, Joseph
Baron, William	Cumisky, John A.
Bates, Lonnie D.	Cummings, Archibald
Belanger, Louis	Cunniff, Frank
Bennett, James T.	Cunningham, James F.
Bertrand, Joseph	Curtis, Daniel J.
Bessette, William	Cushing, Joseph B.
Blackburn, William A.	Crowley, John S.
Blakeley, Albert B.	Dakin, John
Blower, William	Daley, Joseph H.
Borden, Horace	Daly, James
Borden, Louis F.	Darling, Severgn
Boucher, Albert	Davignon, Norbert T.
Bradford, Edgar A.	Day, Thomas E.
Breen, Frank J.	Deane, Albert E.
Brennan, Peter J.	DeCosta, William A.
Briggs, Arthur S.	DeMello, Edward
Briggs, Lester W.	Derosier, Jeffrey
Brosseau, Oscar	Devoll, Roland
Brown, Walter	Dextrateur, Victor
Brownson, George L.	Dickson, Fred
Bruce, George C.	Dion, John
Bulcock, Fred	Disbury Robert
Burke, Raymond	Donahue, Joseph F.
Brunette, Joe	Donley, William
Butler, Clarence H.	Dow, William A.
Butts, James D.	Downey Maurice
Byrne, James	Downs, David
Byron, John	Duckworth, A.
Cañal, Manuel	Duff, Walter F.
Calnan, Timothy J.	Duffy, Alice
Carney, John F.	Duffy, John
Carpenter, Clayton	Dwellely, Andrew H.
Carter, John	Dwyer, Thomas E.
Carter, William	Dwyer, Walter
Chase, Nathan P.	Earnshaw, John
Christie, Joseph	Emerson, David R.
Clarke, Thomas J.	Etchells, Henry
Clark, George	Fanning, James
Cobb, George A.	Fairclough, Thomas
Cobb, George S.	Fay, John

Feenan, Henry Allen	Hutchings, Walter C.
Feldgen, Frank H.	Inne, Albert
Foley, Edward F.	Inne, Louis
Foley, Timothy	Irwin, James
Forbes, Joseph C.	Jemphrey, Robert
Foy, John	Jennings, George L.
Francis, William H.	Jennings, John W.
Franklin, William	Jennings, Ralph A.
Frechette, Edward	Johnson, Henry L.
Furtado, Manuel, Jr.	Judd, Henry
Furtado, Manuel J.	Kane, Paul
Gadbois, Adelard	Keane, Paul F.
Gallagher, William	Kiernan, John F.
Gannon, John	Kinney, E. D.
Gannon, Patrick J.	Kilbride, James
Gardner, James H.	Kiernan, James F.
Gargan, John	King, Joseph F.
Gatonski, Peter	Kenney, E. D.
Geddis, William J.	Lacy, Phillip
Gee, John	Laflame, Romeo
Gifford, John I.	Legace, T.
Gile, John F.	Langevin, Joseph
Gill, James	Larocque, Wilfred
Girard, Fred	Lawrence, Charles L.
Girouard, Clement	Lees, Fred
Girvan Douglass J.	Lees, William K.
Gobell, John J.	Lereau, Theodore
Goldthwait, B. D.	Letourneau, Hormidas
Gomes, Michael R.	Lewis, Percy
Gooding, Clinton S.	Lilly, Howard F.
Gooding, Homer B.	Lincoln, Frank N.
Gooding, Thomas B.	Lindsey, Robert
Goulet, Alfred	Lineham, Lloyd
Gray, Charles A., Jr.	Linnehan, Peter
Gray, Robert	Littler, Henry
Gray, William	Lord, Thomas
Greenough, Harry.	Lyon, John
Grundy, William	Macia, William H.
Hales, Arthur J.	Macomber, George A.
Harney, John J.	Macomber, James S.
Hart, Robert J.	Macy, Andrew W.
Hatton, John	Macy Frank H.
Hawes, George W.	Manna Joseph
Hayden, Edward D.	Marks, John S.
Henry, Arnold	Marshall, Manuel C.
Higginbotham, Cephas	Mather, Arthur H.
Higgins, Daniel F.	McCarty, Mortimer
Hillgee, Robert	McDonald, Edward
Hilton, Richard	McDowell, James
Hilton, Samuel J.	McGowan, Edward E.
Hitch, Frank B.	McIntyre, Robert
Holmes, William A.	McKiernan, Arthur
Honeyman, Bertram C.	McKiernan, James F.
Howland, Norris P.	Medeiros, Joseph
Hunt, James	Mellor, Leonard
Hunter, Joseph	Menard, A. J.



Menton, Joseph	Ross, Samuel
Midgley, William H.	Roy, John V.
Mitchell, Thomas F.	Roy, Romuald J.
Moares, Joseph	Russell, Henry C.
Moore, Joseph	Russell, John
Morgan, David A.	Russell, Pardon
Morse, E. C.	Russell, Richard
Mosher, Fred	Ryan, Ambrose J.
Mosher, Frederick P.	Sami, Alfred
Muggleton, George	Santos, Frank
Mulher, James	Sawyer, J. C.
Mullen, James J.	Sayles, Harry D.
Murphy, John	Sayles, Joseph A.
Neagus, John P.	Silva, Joaquin da
Nelson, Joseph, Jr.	Shaw, Chauncey L.
Nelson, William	Simmons, Lester F.
Newby, James	Simpkins, John
Newett, Arthur	Sisson, Minerva M.
Niles, Abram J.	Smith, Carlton W.
Nolan, Philip	Smith, Henry H.
Norton, Joseph	Smith, John
Norton, Thomas	Smythe, Fred R.
Oates, John	Soares, Manuel
O'Brien, F. Thomas	Soulard, Arthur
Oesting, F. W., Jr.	Sparling, W. D.
Paine, Sidney S.	Spencer, Walter G.
Parker, Thomas	St. Germain, Burt
Paul, George H. A.	St. Peter, Louis
Perkins, H. A.	Staples, Willard F.
Perry, John	Stephenson, Daniel
Pierce, Nathaniel E.	Stevenson, Thomas J.
Pontbraind, Oscar	Stuart, Milburn C.
Porter, James F.	Sullivan, Daniel
Potter, Edwin L.	Sullivan, Francis B.
Potter, James F.	Sullivan, Peter F.
Prescott, Albert N.	Sullivan, William H.
Price, Ralph K.	Sumner, Samuel
Quigley, Thomas	Swallow, Samuel
Quinn, Thomas	Swift Thornton S.
Rawstron, John T.	Sykes, George T.
Raymond, Arthur W.	Sylvia, Antone L.
Raymond, Thomas A.	Sylvia, William M.
Reid, Frank A.	Taft, Daniel H.
Reynolds, Albert	Taylor, George,
Reynolds, William	Taylor, Samuel
Rezendes, Frank F.	Therrien, Philip
Richard, Clement	Thibault, Ludger J.
Richardson, Clifford	Tibbuts, Samuel
Roberts, Leonard	Tilton, Samuel J.
Rodman, Herbert L.	Touchette, Joseph
Robinson, Frank J.	Tremblay, Leo
Rock, Z.	Tripp, Desmond W.
Rodman, Frank P.	Tripp, Jabez D.
Rogers, Henry V.	Tripp, Warren A.
Rollins, Arthur	Troyan, Frank
Rooney, John L.	Vedring, Joseph

Vieira, John R.  
Wadsworth, William H.  
Walsh, Joe  
Weeks, John L.  
Weir, Charles  
Welsh, William G.  
Whalley, John W.  
Whelan, Andrew J.  
Whitehead Albert  
Whitehead, John

Whittle, John  
Wilbor, Walter C.  
Wild, Wright  
Wilding, George  
Winn, Thomas P.  
Wooler, Elsie G.  
Wollison, Harris  
Wright, William C.  
Young, Orville E.

## WEIGHERS OF COAL.

Anderson, Thomas  
Ashley, Andrew H.  
Baldwin, John  
Bariteau, Joseph L.  
Baron, William  
Bates, Lonnie D.  
Bennett, James T.  
Borden, Louis F.  
Breen, Frank J.  
Brennan, Peter J.  
Briggs, Arthur S.  
Briggs, Lester W.  
Brownson, George L.  
Butts, James D.  
Carpenter, Clayton  
Carter, John  
Carter, William  
Champlin Rebecca W.  
Christie, Joseph  
Clark, Thomas J.  
Coe, Walter L.  
Coe, William A.  
Comey, Charles M.  
Connolly, Joseph D.  
Cowen, Edson S.  
Crawford, Samuel  
Cummings, Archibald  
Cushing, Joseph B.  
Day, Thomas E.  
DeCosta, William A.  
DeMello Edward  
Deane, Albert E.  
Dion, John  
Disbury, Robert  
Donahue, Joseph F.  
Duff, Walter F.  
Dwelley, Andrew H.  
Fanning, James  
Fay, John  
Finnity, John  
Forbes, Joseph C.  
Foy, John  
Francis, William H.  
Gile, John F.

Gobell, John J.  
Goldthwait, B. D.  
Gooding, Clinton S.  
Gooding, Homer B.  
Gooding, Thomas B.  
Gray, Charles A., Jr.  
Hillygee, Robert  
Hilton, Samuel J.  
Holmes, William A.  
Howland, Norris P.  
Hutchings, Walter C.  
Jemphrey, Robert  
Jennings, John  
Jennings, Ralph A.  
Keane, Paul F.  
Lawrence, Charles L.  
Legace, T.  
Lindsey, Robert  
Lilley, Howard F.  
Lord, Thomas  
Macomber, George A.  
Macia, William H.  
Macy, Andrew W.  
Madeira, Joe  
Marland, William  
McGowan, Edward E.  
McGinnes, John  
Midgley, William H.  
Moore, Joseph  
Mulher, James  
Mullen James  
Nelson William  
Newby, James  
Niles, Abram J.  
Norton, Joseph  
Norton, Thomas  
Oates, John  
Oesting, F. W. Jr.  
Pontbriand, Oscar  
Porter, James F.  
Price, Ralph K.  
Raymond, Arthur W.  
Raymond, Thomas A.  
Reid, Frank A.

Reynolds, Albert	Swift, Thornton S.
Reynolds, William	Sykes, George T.
Roberts, Leonard	Taylor, George
Rodman, Frank P.	Tibbutts, Samuel
Rodman, Herbert L.	Tilton, Samuel J.
Roy, John V.	Tripp, Jabez D.
Russell, Pardon	Tripp, Warren A.
Ryan, Ambrose J.	Vedring, Joseph
Shaw, Chauncey L.	Vieira, John R.
Simmons, Lester F.	Wadsworth, William H.
Sisson, Minerva M.	Weeks, John L.
Smith, Carlton W.	Welsh, William G.
Spencer, Walter G.	Wilbor, Alfred
Staples, Willard F.	Wilbor, Walter C.
Stevenson, Thomas J.	Wilding, George
Stuart, Milburn C.	Winn, Thomas P.
Sullivan, Michael F.	Young, Orville E.
Sullivan, Peter F.	

## WEIGHERS OF BOILERS AND HEAVY MACHINERY.

Anderson, Thomas	Finnity, John
Ashley, Andrew H.	Foley, Edward F.
Baldwin, John	Foley, Timothy
Bariteau, Joseph L.	Forbes, Joseph C.
Baron, William	Francis, William H.
Bennett, James T.	Gile, John F.
Borden, Louis F.	Gobell, John J.
Breen, Frank J.	Goldthwait, B. D.
Brennan, Peter J.	Gooding, Clinton S.
Briggs, Lester W.	Gooding, Homer B.
Briggs, Arthur S.	Gooding, Thomas B.
Brownson, George L.	Gray, Charles A., Jr.
Butts, James D.	Hillygee, Robert
Carpenter, Clayton	Hilton, Samuel J.
Carter, John	Hitch, Frank P.
Carter, William	Howland, Norris P.
Christie, Joseph	Hutchings, Walter C.
Clarke, Thomas J.	Jemphrey, Robert
Coe, Walter L.	Jennings, John
Coe, William A.	Jennings, Ralph A.
Comey, Charles M.	Keane, Paul F.
Connolly, Joseph D.	Lagace, T.
Cummings, Archibald	Lawrence, Charles L.
Cushing, Joseph B.	Lilley, Howard F.
Crawford, Samuel	Lindsey, Robert
Day, Thomas E.	Lord, Thomas
Deane, Albert E.	Macia, William H.
DeMello, Edward	Macomber, George A.
DeCosta, William A.	Macy, Frank H.
Dion, John	Madeira, Joe
Disbury, Robert	Marland, William
Donahue, Joseph F.	McGowan, Edward E.
Duff, Walter F.	McGinnes, John
Dwelley, Andrew H.	Midgley, William H.
Earnshaw, John	Moares, Joseph
Fanning, James	Moores, Joseph

Mulher, James	Sisson, Minerva M.
Mullen, James	Smith, Carlton W.
Nelson, William	Spencer, Walter G.
Newby, James	Staples, Willard F.
Niles, Abram J.	Stephenson, Thomas
Norton, Joseph	Stuart, Milburn C.
Norton, Thomas	Sullivan, Francis B.
Oates, John	Sullivan, Michael
Oesting, F. W. Jr.	Sykes, George T.
Pierce, Nathaniel E.	Taylor, George
Pontbriand, Oscar	Tibbutts, Samuel
Porter, James F.	Tilton, Samuel J.
Price, Ralph K.	Tripp, Jabez D.
Reid, Frank A.	Vedring, Joseph
Reynolds, Albert	Vieira, John R.
Reynolds, William	Wadsworth, William H.
Roberts, Leonard	Weeks, John L.
Rodman, Frank P.	Welsh, William G.
Roy, John V.	Wilbor, Walter C.
Russell, Pardon	Wilding, George
Ryan, Ambrose J.	Winn, Thomas P.
Shaw, Chauncey L.	Young, Orville E.
Simmons, Lester F.	

## MEASURERS OF WOOD AND BARK.

Ashley, Roland R.	Howe, Benjamin F.
Borden, Harrison T.	Rodman, Frank P.
Cobb, George A.	Stephenson, Thomas J.
Cobb, George S.	Walsh, Thomas
Hathaway, Edward E.	Westgate, Clarence E.

## SURVEYORS OF LUMBER.

Beetle, John H.	Gray, Charles A., Jr.
Croacher, Thomas	Howe, Benjamin F.
Desmond, William F.	Spooner, Daniel A.
Doane, Joshua G.	Walsh, Thomas H.

## MEASURER OF GRAIN.

Rodman, Frank P.

## FENCE VIEWERS.

Edwards, Robert E.	Williams Manuel A.
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## FIELD DRIVERS.

The Police.

## POUND KEEPERS.

Cook, George H.	Wilson, Thomas H.
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**ELECTION OFFICERS**

Term of Office Expires Sept. 15, 1915.

**WARD 1, PRECINCT A.**

1	Warden,	OTIS A. SISSON,	R	3906 Acushnet Ave.
2	Clerk,	JOHN W. SPENCER,	D	400 Tarkiln Hill rd.
2	Inspector,	GEORGE S. COBB,	R	n. s. Hersom St.
4	"	JOHN E. HORSFIELD,	D	2112 Acushnet Ave.
5	"	DANIEL A. SPOONER,	R	3243 Acushnet Ave.
6	"	JOHN T. DOYLE,	D	875 Plainville Rd.

**Deputies**

1	Warden,	WILLIAM F. ANDREWS,	R	126 Tarkiln Hill Rd.
2	Clerk,	WILLIAM H. MACIA	D	427 Tarkiln Hill Rd.
3	Inspector,	FRANK DARLING,	R	103 Wood St.
4	"	ANDREW MORAN,	D	8 Felton St.
5	"	WESTON J. BORDEN,	R	2082 Acushnet Ave.
6	"	ARTHUR DAVIGNON,	D	59 Sylvia St.

**WARD 1, PRECINCT B.**

1	Warden,	DANIEL S. CONSIDINE,	D	171 Davis St.
2	Clerk,	LeROY S. STURGIS,	R	2115 Acushnet Ave.
3	Inspector,	HENRY CHARPENTIER,	D	12 Bentley St.
4	"	FRANK E. SISSON,	R	2143 Acushnet Ave.
5	"	JARVIS COUNSELL, JR.,	D	1631 Acushnet Ave.
6	"	FRANK O. COVILL,	R	1848 Acushnet Ave.

**Deputies**

1	Warden,	JOHN WALSH,	D	61 Covill St.
2	Clerk,	PERCY SHEPHERD,	R	293 Davis St.
3	Inspector,	WILLIAM E. MURRAY,	D	203 Tinkham St.
4	"	ALBERT BOUGET,	R	102 Beetle St.
5	"	HENRY DOYLE,	D	105 Nash Rd.
6	"	JOHN PILKINTON,	R	116 Hathaway St.

**WARD 1, PRECINCT 1.**

1	Warden,	NATHANIEL H. JENNEY	R	1811 Acushnet Ave.
2	Clerk,	MICHAEL E. DALEY,	D	238 Collette St.
2	Inspector,	FREDERICK H. ROSCOW	R	259 Bowditch St.
4	"	WILLIAM S. GIFFORD	D	1450 Pleasant St.
5	"	WILLIAM J. SWEENEY,	R	253 Collette St.
6	"	ONESPHORE A. THERRIEN,	D	80 Beetle St.

**Deputies**

1	Warden,	THOMAS RIDINGS,	R	204 Earle St.
2	Clerk,	DANIEL F. MURPHY,	D	208 Nash Rd.
3	Inspector,	CHARLES E. FOURNIER,	R	301 Earle St.
4	"	EDWARD CAVANAGH,	D	163 Collette St.
5	"	FRANCOIS LAPOINTE,	R	143 Collette St.
6	"	TIMOTHY O'BRIEN,	D	230 Davis St.

## WARD 1, PRECINCT 2.

1	Warden,	HENRY I. FOURNIER,	R	148 Tallman St.
2	Clerk,	ERNEST A. DUNHAM,	D	1430 Acushnet Ave.
3	Inspector,	JOHN E. HANDFORD,	R	274 Sawyer St.
4	"	PIERRE N. NAULT,	D	212 Nash Rd.
5	"	CHARLES K. LEWIN	R	247 Cedar Grove St.
6	"	HENRY R. BLANCHETTE,	D	98 Kenyon St.

## Deputies.

1	Warden,	FRED CASSAVANT,	R	341 Coggeshall St.
2	Clerk,	Vacancy	D	
3	Inspector,	JOSEPH A. DIONNE,	R	80 Beetle St.
4	"	STEPHEN H. SULLIVAN,	D	257 Cedar Grove St.
5	"	Vacancy	R	
6	"	PAUL PARADIS,	D	80 Beetle St.

## WARD 1, PRECINCT 3.

1	Warden,	PATRICK J. CONNOLLY,	D	95 Beetle St.
2	Clerk,	JOSEPH Z. BOUCHER,	R	253 Collette St.
3	Inspector,	DANIEL J. CONNELLY,	D	370 State St.
4	"	DOLOR A. HOULE,	R	150 Tallman St.
5	"	SAMUEL THOMPSON,	D	133 Bullard St.
6	"	THOMAS LEWIN,	R	1082 County St.

## Deputies.

1	Warden,	FRANCIS LAUGHLIN,	D	1620 Acushnet Ave.
2	Clerk,	WILLIAM McCANN,	R	200 No. Front St.
3	Inspector,	JERONIM J. JANAK,	D	r. 39 Hicks St.
4	"	ENOCH F. GRIFFITHS,	R	91 Kenyon St.
5	"	JOSEPH P. MURRAY,	D	203 Tinkham St.
6	"	MOSES DENAULT, JR.	R	366 State St.

## WARD 2, PRECINCT 4.

1	Warden,	GEORGE P. MACOMBER	R	774 County St.
2	Clerk,	PETER F. SULLIVAN,	D	328 Cedar St.
3	Inspector,	CHARLES A. HALL,	R	1207 Pleasant St.
4	"	JOHN H. CAHILL,	D	399 Cedar Grove St.
5	"	CHARLES L. FAUNCE,	R	13 Pope St.
6	"	DENNIS H. TOOMEY,	D	r. 36 Linden St.

## Deputies.

1	Warden,	EDWARD H. CARTER,	R	275 Pope St.
2	Clerk,	JAMES B. MOONEY,	D	350 Cedar St.
3	Inspector,	WILLIAM BEARDSWORTH,	R	3 Austin St.
4	"	PATRICK H. SULLIVAN,	D	56 Linden St.
5	"	THOMAS T. GIFFORD,	R	389 Cedar St.
6	"	VICTOR LEMIEUX,	D	1375 Pleasant St.

## MUNICIPAL REGISTER

## WARD 2, PRECINCT 5

1	Warden,	CHARLES T. BROWNELL	R	749 Summer St.
2	Clerk,	THOMAS J. MURPHY	D	721 County St.
3	Inspector,	GEORGE A. BOSWORTH,	R	674 Cottage St.
4	"	JOHN J. TOOMEY,	D	16 Ashland Ter.
5	"	EDWARD T. MAHONEY,	R	328 Cedar St.
6	"	MICHAEL J. HURLEY,	D	49 Vine St.

## Deputies

1	Warden,	JOHN J. GOLDTHORPE,	R	18 Trinity St.
2	Clerk,	JOHN P. MOORE,	D	227 Pope St.
3	Inspector,	ERNEST H. BOUCHER,	R	87 Reynolds St.
4	"	GEORGE H. GOULET, JR.	D	35 Lindens St.
5	"	EDWARD F. HARPS,	R	30 Collins St.
6	"	JAMES S. McGRATH,	D	100 Clark St.

## WARD 2, PRECINCT 6

1	Warden,	JAMES H. BAMFORD,	R	90 Merrimac St.
2	Clerk,	JOHN N. O'BRIEN,	D	101 Robeson St.
3	Inspector,	ALBERT BARBER,	R	26 Collins St.
4	"	TIMOTHY J. DORGAN,	D	5 Tilton St.
5	"	EMILE C. BELLENOIT,	R	111 Mt. Vernon St.
6	"	ALBERT M. TAYLOR,	D	27 Robeson St.

## Deputies

1	Warden,	STEPHEN B. ARNOLD,	R	525 Cottage St.
2	Clerk,	JOSEPH P. REILLY,	D	9 Richmond St.
3	Inspector,	JOHN P. O'HARA,	R	25 Richmond St.
4	"	EDWARD J. BELLENOIT	D	87 Highland St.
5	"	THOMAS W. RAMSDEN,	R	682 Cottage St.
6	"	JAMES M. HICKEY	D	390 Cedar St.

## WARD 3, PRECINCT 7

1	Warden,	ANDREW P. KIRBY,	D	1046 Purchase St.
2	Clerk,	HORACE WOOD,	R	85 Mill St.
3	Inspector,	WILLIAM T. DAVIS,	D	614 County St.
4	"	ARTHUR B. CASE	R	873 Pleasant St.
5	"	ALVIN H. PAINE,	D	55 Hill St.
6	"	JOSEPH L. FORRESTER,	R	953 Pleasant St.

## Deputies

1	Warden,	JOSEPH C. DESMOND,	D	117 Hillman St.
2	Clerk,	FREDERICK W. BESSE,	R	1101 Pleasant St.
3	Inspector,	ROBERT E. EDWARDS,	D	171 Kempton St.
4	"	PHILIP S. COLYAR,	R	830 Pleasant St.
5	"	HARRY BURKE,	D	178 Cedar St.
6	"	EDWARD J. GILDEA,	R	1230 Purchase St.

**WARD 3, PRECINCT 8**

<b>1</b>	<b>Warden,</b>	MARLIN H. SULLIVAN,	D	78 North St.
<b>2</b>	<b>Clerk,</b>	JOSEPH C. FORBES,	R	299 Chancery St.
<b>3</b>	<b>Inspector,</b>	ALBERT J. BARNEY,	D	241 Summer St.
<b>4</b>	<b>"</b>	Vacancy,	R	
<b>5</b>	<b>"</b>	ALBERT C. WELCH,	D	69 Sycamore St.
<b>6</b>	<b>"</b>	GEORGE A. GARDNER,	R	131 Chestnut St.

**Deputies**

<b>1</b>	<b>Warden,</b>	JAMES A. REED,	D	61 Chestnut St.
<b>2</b>	<b>Clerk,</b>	WILLIAM T. DAVIS,	R	4 Smith St.
<b>3</b>	<b>Inspector,</b>	CHARLES A. GALLIGAN,	D	36 Pearl St.
<b>4</b>	<b>"</b>	CORNELIUS B. PIPER,	R	1299 Purchase St.
<b>5</b>	<b>"</b>	EDWARD L. BRAWLEY,	D	215 Maxfield St.
<b>6</b>	<b>"</b>	ABNER P. POPE,	R	63 Thomas St.

**WARD 3, PRECINCT 9**

<b>1</b>	<b>Warden,</b>	SAMUEL E. GABRIEL,	R	463 Cottage St.
<b>2</b>	<b>Clerk,</b>	DANIEL J. SULLIVAN,	D	100 Hillman St.
<b>3</b>	<b>Inspector,</b>	GEORGE E. NYE,	R	43 Hill St.
<b>4</b>	<b>"</b>	EDWARD F. RILEY,	D	21 Shawmut Ave.
<b>5</b>	<b>"</b>	WILLIAM YORK,	R	123 Cedar St.
<b>6</b>	<b>"</b>	JAMES J. FINN,	D	161 North St.

**Deputies**

<b>1</b>	<b>Warden,</b>	ANDERSON H. SWIFT,	R	98 Campbell St.
<b>2</b>	<b>Clerk,</b>	JOHN H. RYAN, JR.,	D	162 Campbell St.
<b>3</b>	<b>Inspector,</b>	ARTHUR C. KIRBY,	R	123 Sycamore St.
<b>4</b>	<b>"</b>	DAVID E. FRAWLEY,	D	115 Cedar St.
<b>5</b>	<b>"</b>	ANTHONY LOFTUS,	R	859 Rockdale Ave.
<b>6</b>	<b>"</b>	WM. H. RICHARDSON,	D	281 Park St.

**WARD 4, PRECINCT 10**

<b>1</b>	<b>Warden,</b>	EDWARD B. GRAY,	D	450 Union St.
<b>2</b>	<b>Clerk,</b>	CLARENCE A. BATES,	R	494 County St.
<b>3</b>	<b>Inspector,</b>	PATRICK J. NORTON,	D	277 Park St.
<b>4</b>	<b>"</b>	CHESTER E. DAVIS,	R	165 Middle St.
<b>5</b>	<b>"</b>	CLARENCE E. ROCKEFELLER,	D	57 Emerson St.
<b>6</b>	<b>"</b>	FRANK B. HITCH,	R	105 Elm St.

**Deputies**

<b>1</b>	<b>Warden,</b>	JOHN T. CANTWELL,	D	91 Pierce St.
<b>2</b>	<b>Clerk,</b>	SETH W. GODFREY,	R	429 Union St.
<b>3</b>	<b>Inspector,</b>	JOHN F. ANDREWS,	D	82 Morgan St.
<b>4</b>	<b>"</b>	JOSHUA B. JOHNSON,	R	585 Elm St.
<b>5</b>	<b>"</b>	WILLIAM L. SLOCUM,	D	16 South Ash St.
<b>6</b>	<b>"</b>	WILLIAM A. COE	R	71 Mechanics St.



## MUNICIPAL REGISTER

## WARD 4, PRECINCT 11

1	Warden,	HENRY A. GRAY,	D	288 Palmer St.
2	Clerk,	LYNTON M. BUFFINTON,	R	418 Union St.
3	Inspector,	JAMES F. HARRISON,	D	326 Middle St.
4	"	FREDERICK D. BARROWS,	R	486 County St.
5	"	SOUTHWARD P. NEGUS,	D	38 Ocean St.
6	"	WILLIAM E. CARROLL,	R	568 Kempton St.

## Deputies

1	Warden,	JOHN G. PURRINGTON,	D	147 Arnold St.
2	Clerk,	CHARLES E. CARROLL,	R	247 Middle St.
3	Inspector,	PETER J. RILEY,	D	53 Morgan St.
4	"	HENRY HARLOW,	R	417 Union St.
5	"	WILLIAM L. FITZGERALD,	D	240 Middle St.
6	"	CHARLES B. DAVIS,	R	95 High St.

## WARD 4, PRECINCT 12

1	Warden,	OBED S. COWING,	D	559 Kempton St.
2	Clerk,	AMOS W. HADLEY,	R	77 Clinton St.
3	Inspector,	MICHAEL C. AUSTIN,	D	193 Park St.
4	"	FREDERICK B. COOK,	R	253 Arnold St.
5	"	ANDREW TATE,	D	399 Elm St.
6	"	WALTER RAWCLIFFE,	R	32 Lindsey St.

## Deputies

1	Warden,	FRANK E. GILLET,	D	286 Mill St.
2	Clerk,	IRVING S. ALLEN,	R	153 Morgan St.
3	Inspector,	HERBERT E. MACY,	D	115 Park St.
4	"	FRANK W. DAVIS,	R	567 Kempton St.
5	"	STEPHEN D. PIERCE,	D	85 Chancery St.
6	"	DAVID M. PIPER,	R	49 Florence St.

## WARD 5, PRECINCT 13

1	Warden,	GEORGE P. RICHARDSON,	D	52 Russell St.
2	Clerk,	FRANK WHITTAKER,	R	93 So. Sixth St.
3	Inspector,	MANUEL G. CRUZ,	D	161 Acushnet Ave.
4	"	CLIFTON F. ASHLEY,	R	42 So. Sixth St.
5	"	ROBERT J. CURRY,	D	69 South St.
6	"	GEORGE F. CURRY,	R	67 Taber St.

## Deputies

1	Warden,	JOHN M. FAGAN,	D	242 Purchase St.
2	Clerk,	Vacancy	R	
3	Inspector,	THOMAS A. MORRISON,	D	173 Grinnell St.
4	"	JOHN A. MacKAY,	R	167 Grinnell St.
5	"	WILLIAM C. DeMELLO,	D	211 Acushnet Ave.
6	"	GEO. W. PECKHAM, JR.,	R	92 So. Second St.

## WARD 5, PRECINCT 14

1	Warden,	PHILIP S. BRIGGS,	D	173 Acushnet Ave.
2	Clerk,	CHARLES A. SHERMAN,	R	28 Borden St.
3	Inspector,	HENRY C. GRAY,	D	75 Dartmouth St.
4	"	E. PHILIP BERTHIAUME	R	23 Fair St.
5	"	EDWARD W. GALLIGAN,	D	277 Hawthorn St.
6	"	WANTON H.S.BEAUVAIS,	R	263 Pleasant St.

## Deputies

1	Warden,	ROBERT SIBOR,	D	304 Hawthorn St.
2	Clerk,	JOHN H. BURKE,	R	153 Acushnet Ave.
3	Inspector,	ISAAC BARRON,	D	53 So. Second St.
4	"	WILFRED S. KIRBY	R	33 So. Sixth St.
5	"	ARTHUR R. HOWLAND,	D	116 So. Sixth St.
6	"	ANTONE H. SENNA,	R	173 Allen St.

## WARD 5, PRECINCT 15

1	Warden,	JOHN C. EMERY,	R	99 Bedford St.
2	Clerk,	CLIFTON P. TUELL,	D	341 So. Orchard St.
3	Inspector,	HENRY S. SWAIN,	R	69 Maple St.
4	"	JOSEPH H. SCHOFIELD,	D	97 Dartmouth St.
5	"	CHARLES A. BENNETT,		
6	"	HERBERT W. BLISS,	R	183 Washington St.
			D	72 Rotch St.

## Deputies

1	Warden,	SAMUEL MORRIS,	R	60 Bay St.
2	Clerk,	NORMAN BARSTOW,	D	326 Clinton St.
3	Inspector,	RICHARD H. BENNETT,	R	31 Cottage St.
4	"	ARTHUR J. CUNNINGHAM,	D	33 Plymouth St.
5	"	Vacancy	R	
6	"	LUTHER M. DAYTON,	2d D	22 Bay St.

## WARD 6, PRECINCT 16

1	Warden,	PERCY LEES,	R	14 Salisbury St.
2	Clerk,	JOHN J. McAVOY,	D	25 Welcome St.
3	Inspector,	PHILIP E. FOGARTY,	R	22 Hall St.
4	"	PATRICK J. COYNE,	D	17 Stapleton St.
5	"	FRED LEES,	R	44 Winsor St.
6	"	JAMES KINCAID,	D	4 Welcome St.

## Deputies

1	Warden,	ELI HIGGINBOTTOM,	R	104 Clara St.
2	Clerk,	PATRICK F. GARRITY,	D	877 So. Water St.
3	Inspector,	FRED J. BENTLEY,	R	69 County St.
4	"	JOHN L. MULCAIRNS,	D	150 Blackmer St.
5	"	HENRY MAKIN,	R	28 Rockland St.
6	"	WILLIAM A. ADAMS,	D	166 Clara St.

## MUNICIPAL REGISTER

## WARD 6, PRECINCT 17

1	Warden,	OWEN J. DOWD,	D	r. 1039 So. Water St.
2	Clerk,	VACANCY	R	
3	Inspector,	DANIEL McAVOY,	D	48 Rockland St.
4	"	J. ARTHUR BALTHAZAR	R	592 So. First St.
5	"	JAMES V. RONAN,	D	29 Mosher St.
6	"	JOHN A. HYDE,	R	156 Brock Ave.

## Deputies

1	Warden,	JOHN R. WALDRON,	D	94 Nelson St.
2	Clerk,	EDWARD DeMELLO	R	93 Sidney St.
3	Inspector,	JOHN McGLADDERY,	D	19 Nelson St.
4	"	GREENWOOD PENDLEBURY,	R	109 Division St.
5	"	JAMES P. MARTIN,	D	107 David St.
6	"	GEORGE W. NOYER,	R	79 County St.

## WARD 6, PRECINCT 18

1	Warden,	MARSHALL S. GREENE,	R	233 Rivet St.
2	Clerk,	DENNIS F. SHUGRUE,	D	33 Delano St.
3	Inspector,	HORACE R. COUPE,	R	1 Warwick St.
4	"	JOSEPH A. McAVOY,	D	25 Welcome St.
5	"	HUBERT HALL,	R	24 Winsor St.
6	"	WILLIAM W. NELSON	D	46 Oak St.

## Deputies

1	Warden,	ERNEST A. ROTHERA,	R	80 Brock Ave.
2	Clerk,	WALTER WALDRON,	D	16 Briggs St.
3	Inspector,	FREDERICK J. FRANCIS	R	63 Briggs St.
4	"	MATTHEW QUINLAN,	D	877 So. Water St.
5	"	MICHAEL QUINN,	R	103 Rockland St.
6	"	HENRY W. RAYMOND,	D	163 Bonney St.

## WARD LINES

CITY OF NEW BEDFORD,  
IN BOARD OF ALDERMEN,  
April 12, 1906.

*Ordered,* That in conformity with the REVISED LAWS OF MASSACHUSETTS, and under authority of Section 14 of Chapter 423 of the Acts of the Legislature in the year 1904, the several wards of the city, until the first day of May, 1915, and until otherwise ordered, be and they are hereby divided and established according to the following described lines, said division and designation to take effect, for the purposes described in Section 164, Chapter 11, Revised Laws, on January 1, 1907.

*Ward One.* All that portion of the city lying north and east of a line beginning at the river and drawn westerly through the center of Linden street to the center of Pleasant street, thence northerly through the center of Pleasant street to the center of Weld street, thence westerly through the center of Weld street to the center of County street, thence northerly through the center of County street to the westerly line of location of the Old Colony Railroad, thence northerly and westerly by the westerly line of location of the Old Colony Railroad and the southerly line of location of the Fall River Branch Railroad to the west line of the city, will constitute Ward One.

*Ward Two.* All that portion of the city lying between a line drawn from the river westerly through the center of Linden street to the center of Pleasant street, thence northerly through the center of Pleasant street to the center of Weld street, thence westerly through the center of Weld street to the center of County street, thence northerly through the center of County street to the westerly line of location of the Old Colony Railroad, thence northerly and westerly by the westerly line of location of the Old Colony Railroad and the southerly line of location of the Fall River Branch Railroad to the west line of the city, and a line drawn from the river through the center of Pope street westerly to the center of Cottage street, thence southerly through the center of Cottage street to the center of Parker street, thence westerly through the center of Parker street to the west line of the city, will constitute Ward Two.

*Ward Three.* All that portion of the city lying between a line drawn from the river westerly through the center of Pope street to the center of Cottage street, thence southerly through the center of Cottage street to the center of Parker street, thence westerly through the center of Parker street to the west line of the city, and a line drawn from the river westerly through the center of Kempton street to the center of Summer street, thence northerly through the center of Summer street to the center of Mill street, thence westerly through the center of Mill street to the center of Kempton street, thence westerly through the center of Kempton street to the west line of the city, will constitute Ward Three.

*Ward Four.* All that portion of the city lying between a line drawn from the river westerly through the center of Kempton street to the center of Summer street, thence northerly through the center

of Summer street to the center of Mill street, thence westerly through the center of Mill street to the center of Kempton street, thence westerly through the center of Kempton street to the west line of the city, and a line drawn from the river westerly through the center of School street to the center of County street, thence southerly through the center of County street to the center of Clinton street, thence westerly through the center of Clinton street to the center of Park street, thence northerly through the center of Park street to the center of Arnold street, thence westerly through the center of Arnold street to the west line of the city, including Fish Island and Pope's Island, will constitute Ward Four.

*Ward Five.* All that portion of the city lying between a line drawn from the river westerly through the center of School street to the center of County street, thence southerly through the center of County street to the center of Clinton street, thence westerly through the center of Clinton street to the center of Park street, thence northerly through the center of Park street to the center of Arnold street, thence westerly through the center of Arnold street to the west line of the city, and a line drawn from the river westerly through the center of South street to the center of County street, thence southerly through the center of County street to the center of Fair street, thence westerly through the center of Fair street to the center of Bonney street, thence southerly through the center of Bonney street to the center of Rockland street, thence westerly through the center of Rockland street to the center of Dartmouth street, thence northerly through the center of Dartmouth street to the center of Oak street, thence westerly through the center of Oak street to the center of Grape street, thence westerly through the center of Grape street to the center of Rockdale avenue, thence northerly through the center of Rockdale avenue to the center of Allen street, thence westerly through the center of Allen street to the west line of the city, will constitute Ward Five.

*Ward Six.* All that portion of the city lying south of a line drawn from the river westerly through the center of South street to the center of County street, thence southerly through the center of County street to the center of Fair street, thence westerly through the center of Fair street to the center of Bonney street, thence southerly through the center of Bonney street to the center of Rockland street, thence westerly through the center of Rockland street to the center of Dartmouth street, thence northerly through the center of Dartmouth street to the center of Oak street, thence westerly through the center of Oak street to the center of Grape street, thence westerly through the center of Grape street to the center of Rockdale avenue, thence northerly through the center of Rockdale avenue to the center of Allen street, thence westerly through the center of Allen street to the west line of the city, including Palmer's Island, will constitute Ward Six.

Adopted in concurrence.

Presented to and approved by the Mayor, April 13, 1906.

A true copy, attest:

W. H. B. REMINGTON,  
City Clerk.

## VOTING PRECINCTS

CITY OF NEW BEDFORD,  
Established by orders of the BOARD OF ALDERMEN,  
Adopted June 28, 1906 and Feb. 8, 1912.

## IN WARD ONE.

All that part of Ward One lying north of a line beginning at a point in the channel of the Acushnet River, formed by the extension of the centre line of Hadley street; thence westerly in said extended line and in the centre line of Hadley street to the westerly line of Acushnet avenue; thence westerly in an extension of said center line of Hadley street to the center line of Irvington street at its intersection with the westerly line of a southerly extension of Brooklawn Park, thence westerly in the centre line of Irvington street to the westerly line of location of the Old Colony Railroad, thence northwesterly in a straight line to the junction of Mt. Pleasant street and King's Highway; thence westerly in a straight line to the junction of Shawmut avenue and a way; thence continuing westerly in the same straight line to the boundary line between the town of Dartmouth and the City of New Bedford, shall be known and called Precinct "A."

Precinct A

All that part of said Ward lying south of the above described line and north of a line beginning at a point in the channel of the Acushnet River, formed by the extension of the centre line of Manomet street, thence westerly in said extended line and in the centre line of Manomet street to the centre line of Riverside avenue, thence northerly in the center line of Riverside avenue to the centre line of Hathaway street, thence westerly in the centre line of Hathaway street to the centre line of Belleville avenue, thence southerly in the centre line of Belleville avenue to the centre line of Earle street, thence westerly in the centre line of Earle street to the westerly line of location of the Old Colony Railroad, thence southwesterly in a straight line to the intersection of the westerly line of Purchase street with the southerly line of location of the Fall River branch of the Old Colony R. R.; thence westerly by said southerly line of location to the boundary line between the town of Dartmouth and the city of New Bedford, shall be known and called Precinct "B."

Precinct B

All that part of said ward lying south of the above described line and north of a line beginning at a point in the channel of the Acushnet River formed by the extension of the center line of Deane street, thence westerly in said extended line and in the centre line of Dean street to the westerly line of location of the Fall River Branch of the Old Colony Railroad, thence northwesterly by said westerly line of location to its intersection with the westerly line of Purchase street, shall be known and called Precinct "ONE."

Precinct 1

All that part of said ward lying south of the above described line and the southerly line of precinct B, and north of a line beginning at a point in the channel of the Acushnet River formed by the extension of the centre line of Coggeshall street, thence westerly in said extended line and in the centre of Coggeshall street

Precinct 2

to the centre line of County street, thence northerly in the centre line of County street., to the westerly side line of location of the Old Colony Railroad, and thence in said westerly side line of location to its intersection with the southerly line of Precinct One shall be known and called Precinct "TWO."

- Precinct 8 All that part of said ward lying south of the last described line of Coggeshall street to County street shall be known and called Precinct "THREE."

IN WARD TWO.

- Precinct 4 All that part of said ward lying east of the following described line shall be and is hereby made a voting precinct to be known as Precinct Number Four; beginning at the intersection of the center line of Pope street with the center line of County street; thence northerly through the center of County street.

- Precinct 5 All that part of said ward lying west of the last described line in County street and east of the following described line shall be and is hereby made a voting precinct to be known as Precinct Number Five; beginning at the intersection of the center line of Pope street with the center line of Cottage street; thence northerly through the center of Cottage street and of Mt. Pleasant street to the southerly line of location of the Fall River branch of the Old Colony R. R.

- Precinct 6 All that part of said ward lying west of the last described line in Cottage street and Mt. Pleasant street shall be and is hereby made a voting precinct to be known as Precinct Number Six.

IN WARD THREE.

- Precinct 7 All that part of said ward lying east of the following described line shall be and is hereby made a voting precinct to be known as Precinct Number Seven; beginning at the intersection of the center line of Kempton street with the center line of Hill street; thence northerly through the center line of Hill street to the center line of Hillman street; thence easterly through the center line of Hillman street to the center of State street; thence northerly through the center of State street to the center of Willis street; thence easterly through the center of Willis street to the center of State street; thence northerly through the center of State street and through extension of the same to the center of Pope street.

- Precinct 8 All that part of said ward lying west of the last described line through Hill street and State street and east of the following described line shall be and is hereby made a voting precinct to be known as Precinct Number Eight; beginning at the intersection of the center line of Mill street with the center line of Cottage street; thence northerly through the center of Cottage street to the center of Pope street.

- Precinct 9 All that part of said ward lying west of the last described line through Cottage street shall be and is hereby made a voting precinct to be known as Precinct Number Nine.

IN WARD FOUR.

- Precinct 10 All that part of said ward lying east of the following described line shall be and is hereby made a voting precinct to be known as Precinct Number Ten; beginning at the intersection of the center line of School street with the center line of County street; thence northerly through the center of County street to the center of Kempton street.

All that part of said ward lying west of the last described line through County street and east of the following described line shall be and is hereby made a voting precinct to be known as Precinct Number Eleven; beginning at the intersection of the center line of Clinton street with the center line of Chancery street; thence northerly through the center of Chancery street to the center of Mill street. Precinct 11

All that part of said ward lying west of the last described line through Chancery street shall be and is hereby made a voting precinct to be known as Precinct Number Twelve. Precinct 12

IN WARD FIVE.

All that part of said ward lying east of the following described line shall be and is hereby made a voting precinct to be known as Precinct Number Thirteen; beginning at the intersection of the center line of South street with the center line of Fourth street; thence northerly through the center of Fourth street to the center of Grinnell street; thence westerly through the center of Grinnell street to the center of Fifth street; thence northerly through the center of Fifth street to the center of School street. Precinct 13

All that part of said ward lying west of the last described line through Fourth street and Fifth street and east of the following described line shall be and is hereby made a voting precinct to be known as Precinct Number Fourteen; beginning at the intersection of the center line of Rockland street with the center line of Orchard street; thence northerly through the center line of Orchard street to the center line of Clinton street. Precinct 14

All that part of said ward lying west of the last described line in Orchard street shall be and is hereby made a voting precinct to be known as Precinct Number Fifteen. Precinct 15

IN WARD SIX.

All that part of said ward lying south and east of the following described line shall be and is hereby made a voting precinct to be known as Precinct Number Sixteen; beginning at the intersection of the center line of an extension of the center line of Gifford street and the channel of the Acushnet River; thence westerly in said extension and in the center of Gifford street to the center of Water street; thence northerly through the center of Water street to the center of Division street; thence westerly through the center of Division street to the center of County street; thence southerly through the center of County street to Clark's Cove. Precinct 16

All that part of said ward lying north and west of the last described line in Gifford street, Division street and County street and east and south of the following described line shall be and is hereby made a voting precinct to be known as Precinct Number Seventeen; beginning at the intersection of the center line of County street with the center line of Fair street; thence southerly through the center of County street to the center of Independent street; thence through the center of Independent street to the center of Crapo street; thence southerly through the center of Crapo street to Clark's Cove. Precinct 17



**Precinct 18** All that part of said ward lying west and north of the last described line in County street, Independent street and Crapo street shall be and is hereby made a voting precinct to be known as Precinct Number Eighteen.

Said precinct shall also include all the territory described in Chapter 256 of the Acts of the Legislature of 1911, being territory formerly lying in the town of Dartmouth, the same being made in said act a part of Ward Six in the said city of New Bedford, viz. :—

“SECTION 1. There is hereby set off from the town of Dartmouth and annexed to and made a part of the city of New Bedford a certain tract of land with its inhabitants and all estates therein, comprising eighteen acres, more or less, of upland and marsh thus bounded and described, to wit. :—Beginning at the point of intersection of the south line of Cove road in said New Bedford and the east line of contemplated Taylor street so-called in said Dartmouth; thence running in the south line of Cove road, or the existing boundary line between said city and said town, north fifty-eight degrees thirty-seven minutes thirty seconds east, or whatever the course may be, six hundred three and forty-nine one-hundredths feet to an angle in said road; thence still in said boundary line north-eighty-one degrees three minutes east, or whatever the course may be, two hundred sixty-five feet more or less to Clark's cove, and thence continuing in said existing boundary line into and through the waters of Clark's cove to the existing boundary line of tide waters between said town and said city. Then starting again at the point of beginning and running in the easterly line of said Taylor street south two degrees thirty-six minutes west nine hundred seventy-four and eighty-seven one-hundredths feet to the northerly line of a proposed continuation eastwardly of contemplated Rogers street to be extended in its present course and direction in said Dartmouth; thence south eighty-seven degrees eight minutes east in the proposed continuation of the northerly line of said contemplated Rogers street two hundred thirty-two feet to Clark's cove, and thence continuing in the same course into and through the waters of Clark's cove to the existing boundary line of tide waters between the said town and said city as established by the Board of Harbor and Land Commissioners; and thence in said boundary line of tide waters northwardly to its intersection with the easterly end of the boundary line first above described.”





FIRST  
INAUGURAL ADDRESS .  
OF THE  
Hon. Edward R. Hathaway  
MAYOR OF NEW BEDFORD  
MASSACHUSETTS  
AT THE  
INAUGURATION OF THE CITY GOVERNMENT  
JANUARY FOURTH  
NINETEEN HUNDRED AND FIFTEEN

---

New Bedford, Massachusetts  
WILLISTON H. COLLINS CO.,  
PRINTERS  
1 9 1 5



FIRST INAUGURAL ADDRESS

OF THE

HON. EDWARD R. HATHAWAY

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GENTLEMEN OF THE CITY COUNCIL:—

I am deeply sensible of the honor and responsibility imposed upon me and upon you by our election as the people's representatives of organized government in this city. There must be no problem for the common welfare and for the benefit of our citizens, which we must not face with an undivided front in order to place New Bedford in her proper position among her sister cities of the commonwealth.

I shall make little comment upon New Bedford's former government or affairs, but hope with you to turn away from the past to a better and more honorable future. Neither shall I attempt at this time to analyze the reasons and causes for the deplorable condition in which New Bedford finds herself; but I pledge you my faith, and I humbly beg for yours in return, that this, the first year of my administration, shall be marked by every endeavor to lighten her burdens. I beg that the remembrance of bitter conflicts will henceforth be turned by all into a kindly co-operation, so that we may all obtain with a single purpose and single result the most prosperous, cleanest and most reputable city in Massachusetts.

## MAYOR'S ADDRESS

Honesty must henceforth be the keynote of our government. With this as a foundation all things may be accomplished. I hope for the day that each citizen of New Bedford will have reason to say that our government is beyond reproach. Let us resolve to correct abuses with vigor and face corruption, if such exists, with unswerving honesty. Let no political organization or its henchmen control our destinies or our welfare.

## CITY FINANCES

Only two cities in Massachusetts have a higher tax rate than New Bedford. It is of paramount importance to reduce this rate and still give our citizens the ordinary municipal comforts, necessities and protection to which they are entitled. I have agreed to reduce the tax rate, and this solemn pledge must be kept, but the difficulties are great and every effort must be made to effect needed economies. During the coming year the normal increase in valuation will bring in an added income of nearly \$60,000, but there is an increase of approximately the same amount required for debt and interest. Such reduction as we contemplate in the tax rate must then be brought about by a decrease in the cost of operation of the various departments of the city.

## CITY COUNCIL

If I, as chief executor, am to be held responsible for results to be obtained, I should not be hampered in the various municipal departments and the selection of their heads. I therefore earnestly beg that you as the council and all citizens, regardless of any past affiliations, supposed or real, assist in every way to give me the power thus needed, so that I, and officers appointed by me, may be in an unhampered position to give New Bedford an administration which it is so well known, is sorely needed. I do not mean

by this that it is my desire or my intention to discontinue the services of those who have carried out their trust with the people honestly and fearlessly, but I do insist in order to administer each department on a business-like and economic basis that it is a crying public necessity that I am at least placed in a position where I may discharge those who will not co-operate with me for the public good or retain those in office who have faithfully carried out their trust, and I say to you and to the people of New Bedford, that if I am hindered and prevented in obtaining this change I shall publicly, without fear or favor, hold responsible the members of the council and aldermen who by their votes may choose and elect any departmental officer not worthy and qualified to fill his position; and I shall publicly hold to account not alone the member of each body thus making a choice, but scrutinize and hold to public account the actions and records of each officer so chosen, so that any odium, if there be such, shall be placed upon the heads of those whom such odium is due, regardless of where it may fall.

#### COURTESY TO ALL

As mayor of this city my time shall be the city's time. The door of my office shall be open to all those seeking admission or offering me advice, and I shall demand and expect that this same rule pertains with each department, and that at all times each department and its officers shall not only faithfully conserve the public welfare and public expense, but shall show to all citizens the utmost courtesy and consideration, remembering that I and they are public servants in the people's pay.

I am already pleased to believe that the members of both branches of the government are for the most part in hearty accord with the views as here expressed, and I wish publicly to acknowledge my thanks to them for their support already so graciously tendered me. I hope that each and



every member of the council and the board of aldermen will advise with me and help throughout my administration. But, as just stated, if co-operation or fairness does not occur I shall point out definitely and clearly and fearlessly departmental faults, if existing, and definitely place the responsibility for these faults on the shoulders of those in each and every instance who are morally and legally responsible for their creation.

### NEW STATE PIER

It is to be hoped that the action of the great and general court in taking over the wharf frontages will tend to increase our commerce, industry and prosperity. It must be our effort to assist the state in these matters in a manner commensurate with our means.

### NEW BUILDINGS

The growth of the city has brought with it a demand for new buildings for various municipal purposes. The need of a new twenty-room school building must be brought to the attention of the city council at once. The present building occupied as a central police station would be condemned as unsanitary if occupied by a private corporation. Steps must be taken to remedy this situation by the construction of a new building. Inadequate for the needs of the department, located in a position which hinders business expansion and forming a constant menace to the public, the central fire station has outlived its usefulness. The council should at once authorize or appoint committees to consider these needs and act upon them.

### BORROWING CAPACITY

It is, however, only fitting to call your attention at this time to the borrowing capacity available. Under the new

law, and following the purposes upon which I am resolved, I do not wish, unless the necessity is most urgent, to borrow beyond the debt limit by obtaining an enabling act of the legislature. There is available this year of the ordinary borrowing capacity \$404,295.05 from bonds within the debt limit paid off during the year and about \$100,000 additional, due to the increase in valuation of the preceding three years. This amount is approximately the same as last year, when no building operations were undertaken and after the requirements for sewers, macadam, curbing and other usual items of bonded indebtedness are met, leaves little for the buildings required.

On these matters we must proceed, but with caution and business sense. In the present state of municipal finances our first duty is economy, but economy which neglects the comforts and necessities demanded by the people is false economy and is not now or ever will be our aim.

### CITY CONTRACTS

All contracts must henceforth be on a business basis and above criticism. Fair competition is the only true basis of economy, but competition to be fair must be equal, a competition in which all who desire may have a chance to bid, and the conscious realization that if successful the heads of departments will co-operate with them, instead of blocking and hampering.

In conclusion let me say that I am merely your humble executive head and instrument, no great change and no great benefits can come without your general co-operation and the co-operation of influential citizens, as well as those who walk in the humbler paths of life. It is my earnest desire to give this city an administration which will be a clean, bright page in her history and an inspiration for those who may follow in our footsteps, and I pledge you my faith that when

my work is done no citizen of New Bedford can truthfully say that I have not earnestly, faithfully and honestly tried to administer the trust which has been placed in my keeping.

**ANNUAL REPORT**

**OF THE**

**Committee on Bath Houses**

**To the City Council**

**For the Year 1914.**



**NEW BEDFORD, MASS.**  
**THE A. E. COFFIN PRESS, PRINTERS,**  
**1915**



CITY OF NEW BEDFORD.  
IN COMMITTEE.

December 8, 1914.

*To the City Council.*

**GENTLEMEN:** The Committee on Bath Houses herewith submits its annual report for the season of 1914.

The bath houses were opened for business Monday, **June 8, 1914**, and closed Wednesday, October 7, 1914, remaining open a period of over seventeen weeks.

The estimated number of bathers and weekly receipts are shown in the following reports of the Superintendent, viz:—

Week ending	No. of Bathers	Receipts
June 14	680	\$10.63
“ 21	956	6.04
“ 28	2,810	29.28
July 5	2,557	18.56
“ 12	3,284	42.48
“ 19	6,357	101.71
“ 26	5,279	61.89
Aug. 2	2,517	34.64
“ 9	4,501	36.52
“ 16	6,565	56.35
“ 23	6,404	48.10
“ 30	4,120	29.26
Sept. 6	5,565	38.13
“ 13	1,413	18.46
“ 20	501	1.75
“ 27	639	2.22
Oct. 4	167	.16
	<hr/> 54,315	<hr/> \$536.18

Superintendent, - Alfred F. Benoit,  
 Assistants, - - - Francis J. Kennedy,  
                               William A. Adams,  
 Lady Assistant, - Mrs. Sarah Adams.

Appropriations,.....	\$2,500.00	
	350.12	
	<u>          </u>	\$2,149.88
Expenditures,		
Payrolls, attendants .....	\$ 976.50	
Land rent.....	400.00	
Laundry .....	391.89	
Lighting.....	12.71	
Supplies.....	30.66	
Water.....	23.74	
Stock, labor and fitting.....	291.38	
Carting .....	8.00	
Insurance.....	15.00	
	<u>          </u>	\$2,149.88

It is to be regretted that the Committee was unable to remedy the crowded conditions sometimes existing at the bath houses during the intense summer heat ; but we look forward to having permanent houses erected on the land owned by the city when the intercepting sewer is completed.

WILLIAM K. LEES,  
*Chairman.*

**Annual Report**

**OF THE**

**Superintendent of Public Buildings**

**ALSO**

**Inspector of Buildings**

**OF THE**

**CITY OF NEW BEDFORD, MASS.**

**For the Year 1914.**



**NEW BEDFORD, MASS.**  
**THE J. E. BUDLONG PRESS, PRINTERS.**  
**1915.**



CITY OF NEW BEDFORD.

IN BOARD OF ALDERMEN,

February 26, 1915.

Received. Ordered printed in the City Documents  
and sent down for concurrence.

W. H. B. REMINGTON,  
City Clerk.

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IN COMMON COUNCIL,

February 26, 1915.

Concurred.

CHARLES P. SAWYER,  
Clerk.

# REPORT

## OF THE

# Superintendent of Public Buildings

OFFICE OF SUPERINTENDENT OF PUBLIC BUILDINGS,

NEW BEDFORD, MASS., Dec. 31, 1914.

*To his honor the Mayor and the City Council:*

Gentlemen:—I have the honor to submit this report on the condition of public buildings under construction Dec. 31, 1913, also the work performed under my supervision up to and including Dec. 31, 1914.

### KATHERINE STREET SCHOOL.

This schoolhouse erected under the supervision of this department containing twenty class rooms and assembly hall was completed and accepted from the contractors by the Mayor and Committee on City Property, March 7, 1914. A detailed account of this building was given in my report for 1912.

The cost of the building follows:-

Cost of lot (411.97 rods)	\$12,232.80
Cost of construction complete, Wilmarth-Mackillop, Inc., Pawtucket, R. I.	
Contractors,	167,080.84
Architects fees (E. G. Bullard Architect)	5,847.83
Filling and rough grading lot	7,959.00
Furnishings	9,530.45
Total cost	\$202,650.92

## SCREENING HOUSE

On the eighth day of January a contract was awarded by the Mayor, Board of Aldermen and Committee on Roads, Bridges and Sewers, to the J. W. Bishop Co., for the erection of a screen station located on the west side of West French Avenue on City Property just south of the wharf built for service in connection with the intercepting sewer.

The building is one story in height, 85 feet by 64 feet on plan and 28 feet from base of water table to underside of overhanging jet. The exterior walls of this building are built with a red tapestry faced brick shading from a rich red to a reddish brown, every sixth course is indented and laid with a stretcher course of red alternating with a black header which breaks up the effect of a smooth surface and together with the granite trimmings, overhanging blocked jet, slate roof, copper gutters, ridge rolls and finial, produces a very satisfactory and attractive appearance.

In the west half of this building is a screen room 31 x 81 feet the walls of which are finished off with a red shale face brick and has a granolithic floor. In this room is installed the screening machinery, sluice gates, etc.

The east half of this building is divided into three rooms comprising a dynamo room 28 x 35 ft., a boiler room 22 x 28 feet and a mixing room 22 x 28 feet. In one corner of the dynamo room is located a toilet room with shower bath, etc. There is a brick partition wall running north and south which divides the building into two parts as above described. Walls of boiler room and mixing room are finished with same face brick as the screen room. The walls of dynamo room have a dado of enameled brick of a straw tint laid up to five feet in height and capped with moulded brick of the same kind. Above the capped dado in this room to the roof a very light colored kittann-

ing brick is used. The floor of this room is reinforced concrete with a finished top of red 6 x 6 inch english tile with 3-8 inch joints pointed in black.

The roof of the building is supported on steel trusses and purlins, the under side of hard pine planking to the roof, planed and finished natural with shellac and varnish.

The chimney built of shale brick is located directly north and outside of building is 90ft.in height from the water to C. I. cap on the top and is built with inner core which extends to within 12 inches of the top. Between the inner and outer cores there is an air space which is used as a ventilating flue for the removal of gases from the sewer. This building was erected under the supervision of this department and completed and accepted by the above Board December 31st, 1914. The cost of the building follows:-

Contract for construction	\$31,864.00
Rebate (to city New Bedford) for changes in specifications	64.68
Total cost	<u>\$31,799.32</u>

### WORK AT ALMSHOUSE

Plans and specifications were prepared by this department during the summer for improved conditions at the almshouse, consisting of a new piggery with a concrete floor and base thoroughly drained to sewer making the same positively sanitary by the flushing system installed which will allow the cleaning of the building when necessary.

The part of the building above concrete curb or base is constructed of wood and the roof covered with granite paper.

This building contains ten compartments which will accomodate about ninety (90) small pigs with grain closets and mixing room at the east end.

**PAINTING:**

The interior of almshouse (main building) has been thoroughly cleaned, the walls and ceiling painted or white-washed and all woodwork given at least one coat of paint or varnish wherever necessary.

**PLUMBING:**

In the mens bath room one additional bath tub was installed and two (2) shower baths with hot and cold water connections.

**WIRE FENCING:**

Approximately 3100 lineal feet of No. 9 wire fencing has been erected on cedar posts around this property taking the place of old wood fence which had been destroyed. This wire fencing gives a much better appearance to the grounds and will give better service in as much as it will not get broken up and carried off as in the case of wood fence.

Contracts were awarded to the lowest bidders in each case as follows:

Figgery (Ricard & Davoll).	\$1,945.04
Fencing " " "	725.00
Painting (William S. Bowie).	410.00
Plumbing (Norris O. Tripp)	158.00
Total cost	<hr/> \$3,238.04

**WHARF REPAIRS**

Repairs to piers no. 2 and no. 4 of the city wharves was made in the early part of the year by Frank C. Taylor, Contractor, from plans and specifications prepared by this department. This work was awarded to Mr. Taylor by the Committee on Wharves on a percentage basis owing to the uncertainty of how far the repairs were needed to make wharves safe and proved a very satisfactory method in this case. The work was completed and accepted by the Committee on Wharves on the First day of June.

Total cost of repairs	\$7,915.80
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## REPAIRS TO FIRE STATIONS Nos. 2-3-6-7.

During the month of June a contract was awarded to George J. Dodge, the lowest bidder, for new floors in main apparatus rooms and general repairs to the above stations from specifications prepared by this department. This work was completed and accepted by the Committee on Fire Department Sept. 1st.

Total amount of contract	\$776.00
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## REPAIRS TO "LUCAS HOUSE" HAZELWOOD PARK

Early in the year a contract was awarded to Ricard & Davoll for general repairs to the "Lucas House" at Hazelwood Park from specifications prepared by this department. The work consisted of new ceilings and partitions, new plastering, floors, doors and painting.

Total cost of work complete,	\$782.00
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As required by Section 2, Chapter XIII, of the City Ordinances, I hereby submit a detailed report of all repairs to city buildings coming under my supervision during the year of which the cost in each case was in excess of ten dollars:

## SCHOOL HOUSES

Acushnet Ave. school		
Repairs to heating apparatus	\$50.80	
Plumbing repairs,	62.83	
Roof repairs,	18.51	
Carpentry work,	29.42	
	<hr/>	\$161.56
Benjamin, I. W. school		
Plumbing repairs,	22.57	
	<hr/>	22.57
Cedar St.		
Plumbing repairs,	22.50	
	<hr/>	22.50
Cedar Grove St.		
Repairs to heating apparatus,	24.38	
Mason work,	16.01	
Painting,	35.12	
Roof repairs,	277.00	
	<hr/>	\$352.51

Clark St.		
Repairing roof and gutters,	\$11.35	
		\$11.35
Clifford, J. H.		
Repairs to heating apparatus,	11.68	
Plumbing repairs,	12.75	
Painting,	269.47	
		293.90
•		
Congdon, J. B.		
Repairs to heating apparatus,	13.50	
Roof repairs,	10.89	
Electrical "	53.95	
Painting,	13.50	
		110.09
Dunbar, George H.,		
Repairs to heating apparatus,	82.50	
Plumbing,	18.80	
Screenings,	13.44	
		114.74
Donaghy, Thomas		
Repairs to heating apparatus,	82.50	
Painting,	412.40	
		494.90
Fifth St.		
Repairing furnaces,	49.59	
		49.59
Greene, Thomas A.		
Repairing roof,	10.25	
		10.25
High School,		
Repairs to heating apparatus,	95.92	
Carpentry work,	37.56	
Mason work,	30.25	
Repairing lawn,	30.00	
		192.73
Howland, Sylvia Ann		
Repairs to heating apparatus,	37.60	
Masonry work,	21.40	
Plumbing repairs,	9.34	
Electrical work,	31.40	
		99.74
Headquarters School Dept.		
Plumbing repairs,	37.83	
Painting,	10.87	
		48.70
Ingraham, R. C.		
Repairs to heating apparatus,	40.32	
Masonry work,	80.45	
Plumbing repairs,	19.63	
Electrical "	10.95	
Painting,	258.66	
		410.01
Knowlton, H. M.		
Repairs to heating apparatus,	141.07	
Mason work,	43.70	
		\$184.77

## SUPERINTENDENT OF BUILDINGS

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Katherine St.		
Painting and glazing,	\$32.12	
		\$32.12
Lincoln, Abraham		
Plumbing repairs	11.73	
Mason work,	88.33	
Electrical work,	23.50	
Painting,	16.23	
		139.79
Middle St.		
Repairs to heating apparatus,	47.30	
Masonry work,	12.90	
		60.20
Merrimac St.		
Repairs to heating apparatus	33.40	
Mason Work,	14.47	
		47.87
Parker St.		
Carpenter Work	14.08	
		14.08
Phillips Ave.		
Repairs to heating apparatus	48.56	
Mason Work,	11.50	
		60.06
Portable Schools		
Moving portable school from		
Donaghy school to Parker St.		
and setting-up.	49.45	
Repairing furnace Donaghy		
portable	11.65	
		61.10
Rockdale—Hathaway Rd.		
Plumbing repairs	12.01	
		12.01
Thomas R. Rodman		
Heating	72.83	
Mason Work	44.80	
Electrical Work	14.95	
		132.58
Jireh Swift		
Metal ceiling	267.00	
Painting	146.50	
Roof repairs (cornice)	31.92	
Electrical Work	16.35	
Plumbing repairs	11.25	
		473.02
Thompson St.		
Roof repairs	54.90	
Heating repairs	41.65	
Mason Work	37.53	
		\$134.08



William H. Taylor			
Painting	243.00		
Heating repairs	103.36		
Work on grounds	64.01		
Mason Work	49.65		
Electrical Work	12.78		
Plumbing repairs	11.43		
Roof	10.50		
		494.73	
Betsey B. Winslow			
Gas piping	64.00		
Mason work	41.00		
Electrical work	11.78		
Heating repairs	6.83		
		123.61	
Mary B. White			
Plumbing repairs	10.17		
		10.17	
			\$4,375.33

## FIRE STATIONS

Fire Station No. 1.			
Carpenter work	312.00		
		312.00	
Fire Station No. 2.			
Mason work	30.55		
Plumbing repairs	18.97		
Heating repairs	13.33		
		62.85	
Fire Station No. 3.			
New Flooring	194.00		
		194.00	
Fire Station No. 4.			
Mason work	348.00		
		348.00	
Fire Station No. 5.			
Roof repairs	21.98		
Plumbing repairs	11.95		
		33.93	
Fire Station No. 6.			
New Flooring	194.00		
Roof repairs	38.13		
		232.13	
Fire Station No. 7.			
New Flooring	194.00		
Carpenter work	38.98		
Plumbing repairs	45.14		
Heating repairs	12.75		
		290.87	
Fire Station No. 9.			
Carpenter work	27.00		
		27.00	
Fire Station No. 10.			
New front doors	143.95		
		143.95	
			\$1,644.73

## MISCELLANEOUS

Almshouse		
Piggery	\$1945.04	
Wire fencing	797.39	
Painting	410.00	
Repairs to roof	225.26	
Plumbing	187.34	
Mason work	66.46	
Electrical work	40.09	
Shingling small pox hospital	29.75	
Carpenter work	19.23	
		3720.56
Bathing Houses:		
Carpentry work,	136.49	
Plumbing,	16.00	
		152.49
City Barn:		
Repairs to roof,	45.00	
Plumbing,	49.03	
Electrical work,	37.70	
		132.23
Isolation Hospital:		
Painting,	393.83	
Repairs to heater,	154.71	
Carpentry work,	266.15	
Masonry work,	118.80	
Plumbing repairs,	99.23	
		1,032.72
Municipal Building.		
Carpentry work,	92.09	
Repairs to heating plant,	22.65	
Plumbing repairs,	67.35	
Fence on vacant lot,	203.59	
		\$385.68
PARKS:		
Buttonwood Park:		
General repairs to buildings on park,	\$409.97	
Brooklawn Park:		
General repairs to buildings,	268.49	
Hazelwood Park:		
General repairs to buildings,	270.24	
		\$994.62
Wharf Repairs:		
Repairs to piers,	7,969.43	
Repairs to Potter building,	105.28	
Repairs to wharfingers office,	31.10	
		8,105.81
Fourth St. Ward Room:		
New roofing and general repairs,	58.67	
		58.67

**Water Works:**

New copper gutters on pumping station (Quittacus)	\$93.86	
Interior repairs to dwellings at pond,	99.15	
Repairs to large chimney (Purchase St. station)	725.00	
Repairs to workshop, Water St.	43.80	
	<hr/>	\$961.81

**Polling Places:**

Repairs to old Lunds Corner school-house.		
No. 8 Engine house and Harrington school basement,	48.97	
	<hr/>	48.97

<b>TOTAL</b>	-	-	-	-	-	-	-	<hr/>	<b>\$21,613.62</b>
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In compliance with Section 2, Chapter XIII, of the City Ordinances, I herewith submit a statement showing the amount and kind of repairs needed upon the following city buildings, during the fiscal year next succeeding, together with an estimate of the probable cost thereof.

High School:		
Ordinary repairs	\$300.00	
	<hr/>	\$300.00
Parker Street School:		
Ordinary repairs	200.00	
Paint outside	175.00	
	<hr/>	375.00
H. M. Knowlton School:		
Ordinary repairs	200.00	
Metal ceilings, 2 class rooms	300.00	
	<hr/>	500.00
Middle Street School:		
Ordinary repairs	200.00	
	<hr/>	200.00
Fifth Street School:		
Ordinary repairs	200.00	
	<hr/>	200.00
R. C. Ingraham School:		
Ordinary repairs	200.00	
	<hr/>	200.00
Thomas Donaghy School:		
Ordinary repairs	200.00	
	<hr/>	200.00
Wm. H. Taylor School:		
Ordinary repairs	200.00	
Grading lot at rear of building	350.00	
	<hr/>	550.00
J. B. Congdon School:		
Ordinary repairs	300.00	
	<hr/>	300.00
T. R. Rodman School:		
Ordinary repairs	200.00	
Paint outside	150.00	
	<hr/>	350.00
Jireh Swift School:		
Ordinary repairs	100.00	
Paint walls inside	450.00	
Metal ceilings, 2 rooms	300.00	
	<hr/>	850.00
Abraham Lincoln School:		
Ordinary repairs	300.00	
	<hr/>	300.00
Phillips Avenue School:		
Ordinary repairs	100.00	
Granolithic walks	400.00	
	<hr/>	500.00

Cedar Grove Street School:		
Ordinary repairs	\$200.00	
Grade yard	75.00	
Point and repair brick work		
under gutters	150.00	
Paint fire escape	40.00	
Slate blackboards	1200.00	
	<hr/>	\$1665.00
Clark Street School:		
Ordinary repairs	100.00	
Steam coils in 2 rooms	250.00	
	<hr/>	350.00
Merrimac Street School:		
Ordinary repairs	100.00	
Metal ceilings in 2 rooms	300.00	
	<hr/>	400.00
Mary B. White School:		
Ordinary repairs	100.00	
Granolithic walks & grading yard	300.00	
Slate blackboards	250.00	
	<hr/>	650.00
H. A. Kempton School:		
Ordinary repairs	200.00	
	<hr/>	200.00
Cedar Street School:		
Ordinary repairs	100.00	
Fence and repairing yard and walks	300.00	
Slate blackboards	450.00	
	<hr/>	850.00
S. A. Howland School:		
Ordinary repairs	200.00	
Paint outside	150.00	
	<hr/>	350.00
T. A. Greene School:		
Ordinary repairs	200.00	
	<hr/>	200.00
Acushnet Avenue School:		
Ordinary repairs	200.00	
Repair floor of portable	100.00	
	<hr/>	300.00
Thompson Street School:		
Ordinary repairs	200.00	
Slate blackboards	85.00	
	<hr/>	285.00
I. W. Benjamin School:		
Ordinary repairs	200.00	
Clean & varnish inside woodwork		
and paint ceilings	500.00	
Slate blackboards	750.00	
	<hr/>	1450.00
Dartmouth Street School:		
Ordinary repairs	200.00	
Slate blackboards	250.00	
	<hr/>	450.00

# SUPERINTENDENT OF BUILDINGS

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<b>George H. Dunbar School:</b>		
Ordinary repairs	200.00	
	<hr/>	200.00
<b>Plainville School:</b>		
Ordinary repairs and fence	250.00	
	<hr/>	250.00
<b>Rockdale School:</b>		
Ordinary repairs	75.00	
New out buildings	125.00	
	<hr/>	200.00
<b>Betsey B. Winslow School:</b>		
Ordinary repairs	200.00	
Granolithic walks & grading yards	1000.00	
	<hr/>	1200.00
<b>Harrington Memorial School:</b>		
Ordinary repairs	200.00	
Granolithic walks & grade to same	450.00	
	<hr/>	650.00
<b>School Committee Rooms;</b>		
Ordinary repairs & new conductor pipes	300.00	
	<hr/>	300.00
<b>Emergency repairs</b>	225.00	
	<hr/>	225.00
<b>Total</b>		<hr/>
		<b>\$15,000.00</b>

# SCHOOL BUILDINGS

Name of School	Location	Year built, enlarged or remodelled	Material	No. stories	No. rooms	Road of land	Valuation of land	Valuation of buildings	Total
Middle street	Summer and Middle streets	1844	Brick	3	9†	117.26	\$10,000	\$25,000	\$35,000
Plainville	Plainville road	1846	Wood	1	1	42.91	100	1,000	1,100
North	County road near North line	1852—1891	Wood	1	1	60.00	200	1,800	2,000
Parker street	Parker street	1852—1874—1902	Brick	2	12†	140.87	7,700	52,000	59,700
Cedar street	Cedar and Maxfield streets	1855	Wood	2	6	34.39	1,700	5,300	7,000
Dartmouth street	Dartmouth and Hickory streets	1855—1890	Wood	2	8	60.16	3,500	13,000	17,000
Rockdale	Hathaway road	1855	Wood	1	2	50.94	100	1,000	1,100
Merrimac street	Merrimac and State streets	1857	Brick	2	6	60.45	3,300	15,000	18,300
Fifth street	Fifth and Russell streets	1860—1876	Brick	3	10†	65.54	6,000	30,000	36,000
High	Summer street	1876	Brick	3	10†	133.88	11,000	100,000	111,000
Acushnet avenue,	Acushnet Avenue near Grinnell	1878—1894	Brick	2	10	82.85	6,000	44,000	50,000
Mary B. White	Maxfield and Pleasant streets	1881	Brick	2	4	31.37	4,300	21,000	25,300
Cedar Grove street	Cedar Grove street	1883—1892	Brick	2	15	118.75	5,000	31,000	36,000
Thompson street	Thompson street	1885	Brick	2	10	80.00	4,300	33,500	37,800
Harrington	Court street	1889—1900	Brick	3	11†	180.13	5,000	50,000	55,000
I. W. Benjamin	Division street	1891	Brick	2	12	110.74	6,000	28,000	34,000
Sylvia Ann Howland	Pleasant and High streets	1893—1901	Brick	2	7	51.80	9,500	55,600	65,100
Thomas A. Greene	Fourth and Madison streets	1894	Brick	2	10	63.58	5,200	53,000	58,200
Clark street	Clark street	1896	Brick	2	8	119.54	3,500	37,000	40,500
George H. Dunbar	Dunbar and Dartmouth streets	1897	Brick	2	8	140.00	2,700	40,000	42,700
Phillips avenue	Phillips avenue	1897	Brick	2	8	118.08	5,500	33,000	38,500
William H. Taylor	Brock avenue	1898—1910	Brick	2	12†	352.64	12,475	76,000	88,475
John H. Clifford	Coggeshall and Bowditch streets	1901	Brick	3	12†	210.60	12,636	71,600	84,236
Robert C. Ingraham	Blackmer street	1901	Brick	3	12†	196.11	12,000	70,000	82,000
Horatio A. Kempton	Shawmut avenue	1901	Brick	2	8	142.30	4,680	43,000	47,680
Thomas Donaghy	South street	1905	Brick	2	12	19.31	23,500	63,004	86,504
Hosea M. Knowlton	County and Coggeshall streets	1906	Brick	3	16†	432.09	11,750	95,661	107,411
James B. Congdon	Hemlock and Thompson streets	1908	Brick	3	16†	209.29	13,488	103,000	116,488
Thomas R. Rodman	Rockdale avenue and Mill streets	1908	Brick	3	10†	124.45	4,978	76,824	81,802
Jireh Swift	Acushnet avenue near Lunds corner	1909	Brick	3	10†	124.80	1,700	80,710	82,410
Abraham Lincoln	Bowditch street, north Belleville road	1911	Brick	3	20†	696.82	17,700	128,000	145,700
Thirteen portable schools	In various school yards	1903—1910—1911	Wood	1	1	23.274			23.274
Betsy B. Winlow	Allen and Brownell streets	1912	Brick	2	12†	893.09	25,712	122,741	148,451
New High School	County, head of William street	1912	Brick	3	48†	60,001	60,001	509,369	569,370
Katherine street	Katherine & Bonney streets	1914	Brick	2	20†	411.97	12,233	167,081	179,314
Assembly hall									\$2,614,415

# FIRE STATIONS

No. of Station	Location.	Year Built	Material	No. Stories	Rods of Land	Valuation of Land	Valuation of Buildings	Totals.
No. 2	Purchase st. and Mechanics Lane	1821	Brick	2	14.22	\$23,000	\$25,000	\$48,000
No. 9	Acushnet ave. nr. Lunds corner	1861	Wood	2	8.81	200	2,300	2,500
No. 4	Sixth and Bedford streets,	1866	Brick	2	20.09	1,700	14,300	16,000
No. 1	Purchase and Franklin streets	1871	Brick	2	26.68	1,500	12,000	13,500
No. 6	Fourth st., nr. Potomska st.	1882	Brick	2	28.28	1,500	14,000	15,500
No. 7	Durfee street	1890	Brick	2	37.36	1,500	20,000	21,500
No. 5	County and Hillman streets	1892	Brick	2	23.85	3,300	20,000	23,300
No. 8	Acushnet ave. and Davis street	1894	Brick	2	47.00	2,600	24,000	26,600
No. 3	Kempton and Reed streets	1906	Brick	2	35.16	2,300	21,882	24,182
No. 11	Brock ave and Mott street	1908	Brick	2	44.91	1,571	17,840	19,411
No. 10	Purchase and Cedar Grove sts.	1909	Brick	2	Part water works lot		21,963	21,963
								<b>\$232,456</b>



# POLICE STATIONS

Name	Location	Year built	Material	No. Stories.	Rods of Land	Valuation of Buildings	Valuation of Buildings	Total
Central	Second street	1822	Brick	2	44.48	\$5,400	\$10,000	\$15,400
Willis street	Willis st., near Purchase	1850	Wood	2	12.27	1,325	2,500	3,825
Weld street	Weld street	1880	Brick	2	21.00	4,500	25,000	29,500
Blackmer st.	Blackmer and Water streets	1892	Brick	2	7.76	800	12,000	12,800
Kempton st.	Kempton and Cedar streets	1898	Brick	2	11.94	1,650	19,000	20,650
Police stable	Second street, near School street	1891	Wood	2	18.24	1,500	2,900	4,400
								\$86,575

# OTHER PUBLIC BUILDINGS

Name	Location	Year built and remodelled	Material	No. Stories	Roofs of Land	Valuation of Land	Valuation of Building	Total
*Free Public Library	William and Pleasant sts.	1907-1910	Stone	3	87.39	\$125,000	\$275,000	\$400,000
**Municipal Building	William and Pleasant sts.	1912	Brick	3	92.74	138,864	336,000	474,864
Alms-house Property	Clark's Point	1842	Stone-Wood	3	77 acres	46,000	54,000	110,000
City Stables	Ash Street	1877	Brick	1 & 2	456.93	8,400	57,000	65,400
Pumping Station and Lot	Purchase street	1866-1870	Stone	1	640.00	24,000	25,000	49,000
School Committee Headquarters	William street	1846	Wood	2	24.61	5,000	4,700	9,700
School Firemen's Headquarters	High and Foster sts.	1846	Wood	2	9.83	1,000	1,300	2,300
Veteran Room	Fourth street	1835	Wood	1	3.82	500	650	1,150
Ward Room	Rivet street	1896	Wood	1	4.19	500	2,000	2,500
Ward Room	Kempton, East of County	1889	Wood	1	leased land		500	500
Bathing Houses	East French avenue	1899	Wood	1	leased land		1,700	1,700
Water Works,	Lakeville	1895-1900	Brick-Wood	2			136,000	136,000
Isolation Hospital	City Farm	1904	Wood	2			41,200	41,200
Immigration Shed	City Wharf	1904	Wood	2			10,500	10,500
Miscel. Building on City Parks								50,000
City Wharves, Cemeteries, etc.,								
Old Lunds Corner Schoolhouse and								
Other Buildings on Lot	Lunds Corner	1889	Wood	2	84.00	4,500	5,500	10,000
Sewage Pumping Station	Cove road	1913	Brick	1	city's shore property		14,180	14,180
Power and Screen house	West French Avenue	1914	Brick	1	city's shore property		31,864	31,864
								\$1,410,858

\*Formerly City Hall—Erected in 1838-1839.

\*\*Easterly part formerly Free Public Library Building—erected in 1856.

# Inspector of Buildings Report

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OFFICE SUPERINTENDENT PUBLIC BUILDINGS.

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## BUILDING STATISTICS FOR 1914.

Total number of permits granted during the year for new buildings, alterations and repairs was 1062 at an estimated cost of \$3,039,736. Classifies as follows:

	Permits	Est. cost.
New dwellings (including stores and dwellings combined)	406	\$1,465,150.00
New buildings and additions for manufacturing and business purposes,	29	759,000.00
Buildings for religious and educational purposes,	2	44,500.00
Buildings for banking purposes,	1	300,000.00
Blocks of stores,	11	43,850.00
Alterations and repairs,	354	244,260.00
Miscellaneous-including garages, barns sheds, etc.,	259	127,370.00
	<hr/> 1062	<hr/> \$2,984,130.00

## CITY BUILDINGS

New power and screen house (Clark's Cove)	\$31,864.00
Alterations and repairs to schoolhouses and other city buildings	23,742.00
<b>Total,</b>	<hr/> \$3,039,736.00

## DWELLINGS ERECTED BY WARDS.

One	Two	Three	Four	Five	Six
183	15	24	55	40	89

Number of new tenements added 808

## STATISTICS FOR 1913

No. permits granted	Est. cost	New dwellings	New tenements
1245	\$3,067,700	425	820

Showing a decrease in 1914 as compared with 1913,  
as follows:

In permits granted	In cost.	In new dwellings	In new tenements
183	\$27,964	19	12

## STATISTICS OF PREVIOUS YEARS

	No. Permits	Estimated Cost	No. Dwellings Erected	No. Tenements Added
1893	340	\$1,800,000	151	322
1894	369	795,860	144	361
1895	554	1,301,871	201	527
1896	794	1,687,396	378	920
1897	797	1,357,395	310	699
1898	415	490,647	81	122
1899	424	708,245	79	124
1900	402	75,540	68	102
1901	416	1,099,102	161	235
1902	470	1,968,840	164	354
1903	608	1,984,871	252	578
1904	541	1,575,552	210	447
1905	648	1,506,275	293	645
1906	672	2,450,500	296	649
1907	682	2,256,000	278	721
1908	774	2,872,300	411	1,083
1909	986	6,267,650	550	1,473
1910	1,179	7,037,337	639	1,812
1911	950	2,661,063	485	1,117
1912	940	2,400,050	379	896
1913	1,245	3,067,700	425	820
1914	1,062	3,039,736	406	808
	15,298	\$49,083,791	6,361	14,815

## NEW BUILDING ORDINANCES.

## AN ORDINANCE

## Relative to Building in the Fire Districts.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. Section 2 of Chapter X11 of the city ordinances is hereby revised and altered as follows:

Section 1. Except in the cases of shed or buildings for the temporary use of building material or protection of lumber, the roofs of all buildings hereafter erected within all the territory lying south of Tarkiln Hill road and easterly to a line running as hereafter set forth and from said Tarkiln Hill road to Clarks Cove, shall be covered with incombustible material, viz:

Beginning at a point in the easterly line of the location of the N. Y., N. H. & H. Railroad Company property at the south line of Tarkiln Hill road, thence in the line of said railroad location southerly to Nash road, thence westerly to Mt. Pleasant street, thence southerly to Durfee street, thence westerly to Caroline street, thence southerly where the prolongation of the north line of Oak Grove cemetery would intersect the same, thence westerly to the east line of Oak Grove cemetery, thence southerly along the easterly bounds of Oak Grove cemetery to Smith street; thence westerly to Liberty street; thence southerly to Maxfield street; thence westerly to Rockdale avenue, thence southerly in Rockdale avenue to the Dartmouth line, thence continuing southerly in the Dartmouth line to Clarks Cove.

Section 2. All chimneys shall be built of brick, stone or other incombustible material. Chimneys of brick shall not be less than six inches thick, unless the flue linings are used not less than one inch thick, in which case four inches of brick may be used. All chimneys to be plastered on their outside surfaces from bottom of first floor to joist to under side of roof boarding, and all chimneys hereafter built shall have iron frame and clean-out door at their base.

Chimneys other than those built of brick should have an additional lining of four inches of brickwork or a flue lining as above specified. Every chimney flue shall be carried to a height sufficient to protect adjoining buildings from fire and smoke, and unless the roof is covered with incombustible material, shall extend at least four feet above the highest point of contact with the roof. No chimney shall be built out of perpendicular more than half its area.

No parging mortar shall be used on the inside of any fireplace, chimney or flue. All brick flues shall have joints well filled and smoothly struck on the inside.

Earthen or fire clay funnels when used shall not project over one-half inch from face of chimney, and in every case when used with woodwork in front of a chimney they shall be set in the centre of a recessed panel in said woodwork not less than 16 inches square.

No chimney shall be corbeled from a wall more than the thickness of the wall. No chimney shall be hung from a wall which is less than 12 inches thick.

Iron or steel smoke-stacks hereafter erected to any building shall extend to a height sufficient to protect adjoining buildings from fire and smoke and shall have spark arrester attached to the top of same.

No part of any floor timber, studding or furring shall be within one inch of any chimney, or within two inches of the back wall of any fireplace.

Open fireplaces, set cooking ranges, set kettles and the like, shall have fireproof foundations with fireproof hearths extending not less than 16 inches out from the chimney breast.

All such hearths shall be laid upon incombustible supports. Wooden centering, supporting a trimmer arch, shall be removed before plastering underneath. Brick jambs of every fireplace, range or grate opening shall be at least eight inches wide each, and the backs of such openings shall be at least eight inches thick, and when it adjoins a wood stud partition shall have at least two four-inch walls with at least two-inch air space between, extending upwards not less than four feet from the bottom of such opening.

Brickwork or other masonry over fireplaces and grate openings shall be supported by proper iron bars, of brick or stone arches.

No woodwork shall be secured to the brickwork or other masonry of any flue.

No structure of masonry to contain fire, nor any furnace or boiler for heating shall be placed upon a wooden floor.

No steam, furnace, or other hot-air pipe shall be carried within one inch of any woodwork, unless such pipes are double or otherwise protected by incombustible material.

No stove-pipe in any building with combustible floors and ceiling shall hereafter enter any flue nearer than 18 inches from the floor or ceiling, and in all cases when smoke-pipes pass through the stud or wooden partitions, floor or roof, whether plastered or not, they shall be guarded by either a double collar of metal, with at least 2 inches of air space all round and holes for circulation of air or by a soapstone ring or solid casting of plaster of paris, not less than 3 inches in thickness, and extending through the partition, or by an earthenware ring, 1 inch from the pipe at every point.

Depositories for ashes in the interior of any building shall be constructed of incombustible material.

Section 3. Every non-fireproof building and all wooden buildings, except dwellings in the second district, shall have an incombustible fire stop at each floor from the bottom of the floor joist to 5 inches above the top of the same. Said fire stop at each floor shall fill the space full between the studding or furring entirely around the external walls of the building and through the interior wherever the floor joists have a supporting partition. All dwellings in the second district shall have a fire stop similar to the above at the first floor, and on each floor above the first shall have a smoke stop of wood the full depth of the studding and not less than 2 inches thick.

No building shall be covered by lathing, sheathing or otherwise until the inspector has, by examination, ascertained that said building is in compliance with the above provisions. Said inspector shall be notified by the owner, agent or builder before the building is covered by lathing, sheathing or otherwise.

A dwelling shall be taken to mean and include every building which shall be intended or designed for or used as the home or residence of not more than three separate or distinct families.

Section 4. No frame building shall hereafter be erected within 4 feet of the side or rear line of a lot or a building on the same lot unless the space between the studding of any such side be filled in solidly with not less than 4 inches of brickwork, and if so filled in with brickwork shall not be erected within 2 feet of said lines or buildings.

Section 5. All buildings hereafter erected within the city limits designed or to be used for the purpose of a garage shall be constructed of stone, brick, concrete or steel, with a fireproof covering and concrete floor.

Section 6. Nothing herein contained shall be construed to prevent the completion of work hitherto authorized as contemplated in accordance with the permission existing therefor.

Section 7. All ordinances, or parts of ordinances, inconsistent herewith, are hereby repealed.

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### NECESSARY INSPECTION.

Since the above laws became effective it has become absolutely necessary to keep two inspectors in the field at all times, one at the south and one at the north parts of the city to inspect every building for which a permit has been issued either for new work, alterations or repairs, every new building to be inspected no less than three times before completion in order to render the new law effective.

### HOTEL AND LODGING HOUSE INSPECTION.

In compliance with Sections 33, 34, and 35 of Chapter 104 of the Revised Laws relative to hotels and lodging houses having eight or more rooms above the second floor, I have made an annual inspection of every hotel and lodging house in this city coming under this law and reported their condition relative to safety in case of fire, to the chief of Massachusetts District Police.

Also in accordance with Chapter 129 Acts of 1911, I have made an inspection of thirty houses maintained for furnishing lodging to transient persons, and not licensed as an inn, in which ten or more persons are lodged, notwithstanding that no price is charged for lodging, and reported their condition as a matter of safety in case of fire to the Mayor and Board of Aldermen. In every case where the necessary precautions against the spread of fire and giving the alarm to inmates had not been provided for the petitioner for license to maintain such house was given leave to withdraw.

### ELEVATOR INSPECTION.

In accordance with Chapter 806, Acts of 1913, it shall be the duty of the Inspector of Buildings in every city of the Commonwealth to inspect all elevators in their respective cities annually, and a practical test made of the safety devices and other requirements coming under this act. The inspector to make a detailed report thereof to the Chief of the Mass. District Police upon forms furnished by him and a complete record of each inspection to be kept by such inspector.

The inspector of Buildings to issue licences to all elevator operators after a thorough examination as to their fitness, etc.

The inspection of all elevators in the city will be commenced by this department early in the new year in compliance with the new law.



## SIGN AND BILLBOARD INSPECTION:

Regulation as to signs on roof or side of any building or upon any street, lane or alley or public place in the city.

## SECTION 16, CHAPTER 22 OF THE CITY ORDINANCES:

The inspector of buildings shall consider the construction of the sign, and the method of fastening it to its supporting surface and shall report to the Board of Mayor and Aldermen whether such construction is proper and whether such method is sufficiently safe.

## VIOLATIONS OF THE BUILDING LAWS REPORTED AND CORRECTED DURING THE YEAR.

Building without permit,	44
Faulty construction and violation of the building laws,	175
Dangerous chimneys,	31
Safer construction in buildings after being damaged by fire,	22
Total,	<hr/> 272

## CONCLUSION.

In conclusion, I wish to express my appreciation and thanks to the Mayor and the various committees of the City Council for their cordial co-operation in all matters pertaining to the work of this department.

Respectfully submitted,

JOSEPH L. GIBBS,  
Supt. Public Buildings.  
Inspector of Buildings.





**TWENTIETH**  
**ANNUAL REPORT**  
**OF THE**  
**Board of**  
**Cemetery Commissioners**

**For the Year Ending December 6,**  
**1914**



**NEW BEDFORD, MASS.**  
**THE A. E. COFFIN PRESS, PRINTERS.**  
**1915.**

## **CEMETERY BOARD.**

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**WILLIAM M. HIGHAM, Chairman.**

**JOHN G. NICHOLSON.**

**CHARLES H. VINAL, Secretary.**

**CLERK OF THE BOARD.**

**PARDON A. MACOMBER.**

**ASSISTANTS.**

**MISS IVAH M. HUNT.**

**MISS ALICE G. SHAW.**

**Assistant Superintendent.**

**HURLBERT E. THOMAS.**

## **CEMETERIES.**

**RURAL. . . . . SEXTON, NELSON L. PIKE.**

**OAK GROVE. . . SEXTON, EDMUND M. CORNELL.**

**PINE GROVE.        GRIFFIN STREET.**

**CITY OF NEW BEDFORD,  
OFFICE OF CEMETERY BOARD.**

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New Bedford, December 6, 1914.

*To the Honorable, the City Council of the City of New  
Bedford.*

GENTLEMEN:—Pursuant to the requirement of the City's ordinance relative to the Department of Cemeteries, that the Board of Cemetery Commissioners shall annually in the month of January render to the City Council a report of its doings, I herewith submit its Twentieth annual report, the same being for the year ending, December 6, 1914.

CHARLES H. VINAL.  
*Secretary.*

**CITY OF NEW BEDFORD**  
**OFFICE OF BOARD OF CEMETERY COMMISSIONERS.**

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December 6, 1914.

*To His Honor, the Mayor, and the City Council of the City  
of New Bedford.*

GENTLEMEN:—In compliance with the law and established usage, we have the honor of presenting to you the twentieth annual report of the cemeteries of the City of New Bedford. It contains in detail, a report of the receipts and expenditures, the deposits for perpetual care, the annual care of lots, and an account of the maintenance and improvements during the year. The appropriation by the City Council was \$20,000.00, the receipts from perpetual care \$6,138.75, from annual care, interments and other work, \$11,855.32. The expenditures of the year amounted to \$37,947.45, leaving an unexpended balance of \$46.52. \$6,730.00 has been received from the sale of lots, and from this and \$1,965.10, balance from 1913, \$7,852.57 has been drawn for the improvement and embellishment in the several grounds.

The past year has been one of no less activity in this department than former periods. The continual growth of the city necessarily increases the work, the demand and the interest in this department. Death is certain, but it remains with us to deal with this problem more in the interest of the living than the dead. We should then make our cemeteries places of beauty where we can go for rest and reflection, and be spared the depressing influences existing in most cemeteries. Death we cannot avoid, but we can build our cemeteries so inviting that the grief and suffering of the survivors will be softened in the contemplation of

the quiet beauty which surrounds the last resting place of the departed.

In laying out, developing and embellishing the cemeteries, particularly as is now in progress in Pine Grove Cemetery, the Board have in mind that they are preparing for the burial of the dead for several generations to come and that the population of our community is constantly increasing. This suggested the advisability of selecting this location, when additional ground was required; the site was well out in the suburbs, and but little or no objection was anticipated by adjoining property holders, and where, should indications warrant, additional territory may be acquired at reasonable cost. The feature of access, by transportation, is also a vital factor in locating entrances and our cemeteries are now accessible by trolley lines leading from the center of the city, and by carriage or automobile by at least one good road to the cemetery gates.

Pine Grove Cemetery has received a generous part of this year's appropriation, it being the desire of the Board to push the work of developing that part of the new grounds between Acushnet Avenue and Bowditch Street, that the same may be plotted into sections, lots and avenues, and accessible to the public who desire to purchase lots in the new portions of this cemetery. Last year, the new entrance from Acushnet Avenue was beautifully embellished with trees, conifers and flowering shrubs, all of which now present an attractive and park-like appearance.

Rural and Oak Grove Cemeteries have received their warranted care and embellishment, which is fully given in detail in the Assistant Superintendent's report to the Board, which is herewith attached.

The usual ceremonies of Memorial Day, Flower Day, and at frequent periods during the year the exercises of many orders, societies and associations in placing tributes to the memory of their departed members, have all been conducted in a dignified and characteristic manner, and their impressive observances emphasized by the beautiful



tributes of flowers and plants placed on the graves; all are influences which are in beautiful harmony which pervades our spirit and leads us to these gatherings from year to year with a deeper interest in these observances.

There is a growing tendency in some lot owners in the several cemeteries for the erection of mausoleums. There are seven in Rural Cemetery and two in Oak Grove, and plans are now on file at this office for other constructions of this character in the spring. The Board are particularly cautious in passing on the erection of these buildings, and require that high technical skill should be brought to bear in their designing and construction, and that they should represent modern efficiency and a wonderful stability. A modern mausoleum building requires a keen understanding of how to combine beauty and permanency. The true mausoleum must convey none of the vault feeling. It must give the impression of first, a home; second, a monument, and must harmonize with its surroundings, and the very best of material and construction work is required.

During the year, the city purchased land skirting the west boundary of Oak Grove Cemetery, and the same was turned over to this Board for cemetery purposes. While this land is not desirable for cemetery purposes (being low and wet), it nevertheless serves the purpose for which it was bought, that is, it protects the drainage of this cemetery, the natural water shed of which has been to the west on to this land. Also the wild growth will later become a shield from the resident sections and form a permanent enclosure.

In March, the Legislature passed the following enactment:—

[Chap. 122.]

**AN ACT TO PROVIDE THAT CITIES AND TOWNS SHALL CARE FOR THE GRAVES OF SOLDIERS AND SAILORS.**

Be it enacted, etc., as follows:

**Section 1.** In every city and town there shall annually be appointed by the mayor of the city or by the selectmen of the

town a citizen of the city or town, preferably a veteran of the Civil war or of the Spanish war, whose duty it shall be to see that the graves of all soldiers and sailors who served in the Civil war or in the Spanish war are suitably kept and cared for. If the cost of such care and maintenance is not paid for by private persons, or by the trustees of the cemetery where any such graves are situated, it shall be paid by the city or town; and cities and towns are hereby authorized to appropriate money for this purpose. Money so appropriated may be expended directly by the city or town or may be paid over to the trustees or manager of any cemetery in which any such grave is situated; but the sum so paid over in any year shall not exceed for each grave the sum charged for the annual care and maintenance of like graves in the same cemetery; or, if no such charge is made in that cemetery, then it shall not exceed the sum charged in other cemeteries in the same city or town for the said service.

The wisdom of the Mayor conceived that such work should be kept within the province of the Cemetery Board, and he appointed the Assistant Superintendent, Hurlbert E. Thomas, to act in this capacity at no increased compensation. There has been expended from the cemetery funds for this purpose, as shown in our financial report, as follows:—

Rural Cemetery.....	\$99.42
Oak Grove Cemetery.....	85.91
Peckham West Cemetery.....	6.19
Sacred Heart Cemetery.....	2.80
St. Mary's Cemetery.....	70.57
Pine Grove Cemetery.....	3.05
Congregational Church Cemetery.....	.35
<hr/>	
Total .....	\$268.29

An appropriation will be called for from the City Council to reimburse the Cemetery Department for this output.

The advantage of the perpetual care system is still persistently advocated by the Board, and is being quite generally adopted by new purchasers of lots. Once arranged for, the general care of the lot becomes the duty of the cemetery officials. It is only necessary to draw attention to the improved appearance of lots under perpetual care, compared with those in the older sections of the cemeteries, when no one is apparently left to care for them, to emphasize the value of this provision.

The Board devoted much time to the personal supervision and care of the cemeteries, visiting them often and studying their needed requirements and directing their general improvement; under its management, the cemeteries have gradually developed from ordinary burying grounds to the condition of parks. In its efforts to do this, it has received the personal co-operation of many individuals, the untiring service of the City Engineer and his associates, the ready response of the City Solicitor in solving such legal questions as often confront this department, and the city government who have annually provided for the needs of this department.

Respectfully submitted,

W. M. HIGHAM, Chairman.  
JOHN G. NICHOLSON,  
CHARLES H. VINAL, Secretary.

## ASSISTANT SUPERINTENDENT'S REPORT.

*To the Cemetery Board of the City of New Bedford.*

GENTLEMEN:—In compliance with my usual custom and for your information, I herewith submit a summary report of work accomplished under my supervision and direction in the city's cemeteries during the past year. I trust the results have fully met your anticipation, and that you will feel that the cemeteries, under my direction, show an amount of progress and improvement, equal to previous years. Because of the general business depression which has been so marked throughout the country, it has been the Board's wish to give employment to the men as long as the weather conditions would permit and funds were available. I have therefore kept nearly our full corps of employees busy from March until early in December, when the severe weather made it necessary to suspend general work, and we reduced our working force to those only who are permanently employed.

The results of the year's work show additional development of new land, repairs and improvements when needed, and marked progress made in preparing the new Pine Grove Cemetery that it may sooner become available for burial purposes.

In Rural Cemetery, sections M and W have been dug over to the depth of a grave and all obstructions removed. Section M has been graded and seeded and is now ready for burials, while section W has been cleared of all obstructions, but will not be graded and seeded until spring. Approximately 25,000 tons of stone were removed from these sections. This has been broken to sizes to fit the department crusher and it is intended as early as possible in the spring to move the crusher to these grounds, crush the stone and macadamize the main avenue leading from Oak Avenue east of the receiving tomb to the arch gate

at Rural, the Board being fully conscious of the importance of finishing this avenue.

At this time I would call the Board's attention to the fact that we have reached the west line for drainage in Rural Cemetery, and it is absolutely imperative that a permanent drain be laid along this line of the cemetery, of sufficient capacity to take care of the water at all seasons of the year. Under present conditions, the spring of the year will show much of the new sections all ready prepared, flooded with water. In previous years, this land has been ditched and has partially taken care of this water, but as the cemetery is spreading in this direction, it makes the need of thorough drainage an absolute necessity. I would suggest that a drain of not less than 18 inch capacity be laid. The measured length of this line to the entrance of the Stackhouse street sewer is 2,210 feet, the estimated cost of which would not exceed \$3,000.00

A narrow section along the north wall and west of the arch gate for a distance of two hundred feet has been graded and seeded, and embellished with shrubs and trees. Seven years ago, the entrance of Rural Cemetery was beautifully embellished with conifers, trees and shrubs, at the time of planting of which the selection was made to provide immediate effect. This embellishment has served its purpose and many of the conifers have grown to such proportions as to quite materially change the general effect for a cemetery entrance. I would suggest that these be removed to other locations in the grounds, and that other and younger growth be substituted for them. There should also be like changes made in planting on the slope of the pond.

The sexton's house should be re-shingled and painted.

Oak Grove Cemetery has received its usual careful attention. The main avenue, north from Parker Street, leading up through the center of the grounds and east to the Robeson Street entrance has been macadamized and automobiles are now allowed to use this avenue.

While these grounds are practically a closed cemetery, it nevertheless requires a full force of employees to take care of the work of its maintenance, to cut the grass and care for the lots in annual and perpetual care, to build foundations and prepare graves for burials.

The wash on some of the slopes requires the constant re-fitting of the avenues.

Nearly 1,000 square feet of paving should be relaid next year.

In this cemetery are the greenhouses which supply embellishment of plants and flowers to the several grounds. At a nominal expense we are able to beautify the cemeteries from this production. Two hundred flower beds are annually filled, first with perennials, which last until after Memorial Day, after which they are again replanted with annuals, which last until the frosts destroy them. These are all raised from cuttings taken from our own plants, seeds and bulbs being the only material necessary to purchase.

A visit to these houses in the month of June will fully illustrate their auxiliary benefit to the embellishment of the grounds.

Much needed repairs should be made to the fences skirting the older portions of this cemetery, between Smith and Parker Streets. New stringers are required as the old ones are rotted and broken, the pickets should be re-nailed and many of them replaced, and the whole fence should be painted.

Griffin Street has had its annual care, two men having been assigned to this work. The grass has been regularly cut, the usual flower beds have been maintained, and careful watch kept of these grounds to guard against injury and trespass.

The new Pine Grove Cemetery has been the principal center of operation in the work of this department. 116,397 square feet of new land has been dug over; 36,513

feet of this have been graded. 2,500 feet of avenues have been constructed and macadamized.

A substantial boundary wall, five feet in height, with a 3 ft. foundation has been constructed for a length of over 700 feet.

To accomplish as much as we have in this new work, it has been necessary to transport men from other grounds as often as they could be spared. The water supply to the grounds has now given out; the tower has rotted and would have to be re-built; the pumping engine is badly worn and cracked, and repairs to this would necessitate an expense of not less than \$500.00. To connect our present water system with the city's service will require the laying of 1,050 feet of 4 inch main, with necessary hydrants. I am grateful to know that the Board is negotiating with the Water Department for the installation of this important service in the spring.

Respectfully submitted,

HURLBERT E. THOMAS,  
Assistant Superintendent.

## WHEN TO BUY A CEMETERY LOT.

Every day may be heard the regret expressed that a lot in the cemetery was not purchased when conditions were normal, and there was leisure and calm thought to bring to such a task.

When death comes and grief warps the judgment and often results in physical prostration, it is no time to decide where or how a lot shall be purchased in which to place the remains of those "gone before."

To purchase a lot in the cemetery except under the pressure of immediate necessity seems to be something from which we shrink in horror. This is a condition which should not exist, and with the present management and improvement of cemeteries, a few years will witness a great revolution in public sentiment.

The cemeteries of today are growing to be more and more beautiful parks, embellished with beautiful flowers, trees and shrubbery, with long stretches of green leaves, with drives and walks. Knowing that some day we and our loved ones will need a resting place of this character, is it not better to provide for the inevitable when we can bring to the task our best thoughts and energies. Too often, the neglect of what should be considered a duty involves the use of the receiving tomb, and then when the purchase of a lot is made, there is the re-opening of wounds by the interment which should have taken place at once.

To have a lot selected and cared for and made beautiful is a duty we owe to our home, and in many instances would relieve the burden from those who suddenly stricken with grief are unable to give the task its proper attention.



## CONSTRUCTION WORK.

	Rural	Oak Grove	Pine Grove
Sq. yds. land graded .....	1,627	.....	4,057
Sq. yds. land dug over .....	3,299	.....	12,933
Sq. yds. land seeded .....	428	.....	.....
Lineal ft. avenues fitted .....	100	1,025	.....
Lineal ft. borders trimmed and fitted...	1,150	700	.....
Lineal ft. avenues macadamized 20 ft. wide....	.....	.....	1,521
15 ft. wide....	.....	.....	330
14 ft. wide....	.....	.....	526
Lineal ft. wall foundation laid .....	.....	.....	757
Lineal ft. wall built .....	.....	.....	734
Number tons stone broken for crusher..	31,480	.....	.....
Sq. ft. of sod laid .....	2,200	.....	323
Lineal ft. gutters paved .....	28	398	.....
Foundations for tablets .....	134	117	13
Foundations for mounuments .....	24	13	.....
Cement bound posts set .....	.....	279	199
Cement numbers set .....	240	.....	54
Shrubs re-set and moved .....	27	.....	.....
Corner posts on lots set .....	.....	8	.....
Neglected graves fitted .....	8	15	.....
Bodies entombed 1914 .....	24	21	7
Bodies disinterred 1914 .....	7	10	.....
Interments in Friends Cemetery .....	2	.....	.....
Interments made in lots .....	259	191	19
Interments made in single graves .....	6	5	29
Interments made in public ground .....	320	.....	60
Interments made in Soldiers' and Sailors' lot	10	.....	.....
Total interments, 1914 .....	595	209	108
Total interments to Dec. 1, 1914 .....	16,539	13,786	893
Bodies remaining in Public Tomb .....	3	3	1
Lots sold in 1914 .....	47	50	7
Single graves sold in 1914 .....	3	4	30
Prepared lots unsold .....	192	362	73
Value of lots unsold .....	\$11,940	\$44,875	\$4,715
Value of single graves unsold .....	.....	.....	\$2,370
Foundations re-built .....	21	10	.....
Headstones re-fitted .....	4	8	3
Foundations for curbing .....	.....	1	.....
Graves fitted .....	268	150	13
Brick graves built .....	56	31	.....
Lots in annual care .....	711	590	38
Lots in annual care (Friends) .....	10	.....	.....
Lots in perpetual care .....	793*	581**	38***
Number of stones cleaned .....	36	58	15
Number of monuments cleaned .....	3	5	.....
Curbings cleaned .....	2	2	.....
Lots refitted and seeded .....	3	2	.....
Lots refitted and sodded .....	2	.....	.....
Trees set out .....	2	.....	.....
Trees removed .....	2	1	.....
Hedges removed .....	1	.....	.....
Curbings removed .....	1	.....	.....

\*St. John's, 6 Friends, 21. Griffn Street, 1.

\*\*St. Mary's, 57. Peckham West, 12.

\*\*\*Congregational Church Cemetery, 14.

**CLASSIFIED STATEMENT OF EXPENDITURES.****RURAL CEMETERY.**

General labor account.....	\$5,421.23
Labor on Soldiers' and Sailors' graves, other than those on Soldiers' and Sailors' lot, as authorized by Chap. 122, Acts of 1914...	99.42
Distribution account.....	3,440.60
Supplies.....	271.96
" (Brick cement, lime and sand)....	590.88
" (Seed, sod, fertilizer).....	160.48
" (General).....	247.61
Water.....	85.51
Embellishments, shrubs.....	165.20
New sections and extensions.....	2,991.59
Pension.....	323.68
Police.....	79.51
	<hr/> \$13,877.67

**OAK GROVE CEMETERY.**

General labor account.....	\$4,544.66
Labor on Soldiers' and Sailors graves, as authorized by Chap. 122, Acts of 1914...	85.91
*Peckham West Cemetery.....	6.19
*Sacred Heart Cemetery.....	2.80
*St. Mary's Cemetery.....	70.57
Distribution account.....	2,480.02
Supplies, tools.....	204.21
" (Brick, cement, lime and sand)....	409.51
" (Seed, sod, fertilizer).....	205.86
" (General).....	141.12
Water.....	87.98
Wall, (rebuilt).....	259.31
	<hr/> \$8,487.14

**PINE GROVE CEMETERY.**

General labor account.....	\$1,644.51
Labor on Soldiers' and Sailors' graves as authorized by Chap. 122, Acts of 1914...	3.05
**Congregational Church Cemetery.....	.35
Distribution account.....	572.04
Supplies, tools.....	174.19
" (Seeds, fertilizer).....	67.43
" (General).....	268.67
Water.....	16.43
Nursery.....	45.85
	<hr/> \$2,792.52
*Work done by men from Oak Grove Cemetery.	
**Work done by man from Pine Grove Cemetery.	

## CEMETERY REPORT

## PINE GROVE CEMETERY—NEW LAND.

Wall .....	\$2,206.96	
Extension .....	4,104.47	
Avenues .....	3,228.52	
Pond .....	28.95	
New approach .....	146.49	
	<u>          </u>	\$9,715.39

## GRIFFIN STREET CEMETERY.

General labor account .....	\$335.92	
Supplies .....	.70	
Water .....	5.00	
	<u>          </u>	\$341.62

## GREENHOUSE.

General labor account .....	\$2,091.12	
Maintenance, stock and supplies .....	372.47	
	<u>          </u>	\$2,463.59

## HORSES AND WAGONS.

Care and supplies, hay, grain, &c. ....	\$337.13	
	<u>          </u>	\$337.13

## OFFICE.

Supplies .....	\$436.29	
Annual report .....	58.00	
Telephone .....	73.46	
	<u>          </u>	\$567.75

## SALARIES.

Office .....	\$2,762.50	
Assistant Superintendent .....	1,200.00	
Sexton, Rural Cemetery .....	1,039.33	
“ Oak Grove Cemetery .....	954.00	
	<u>          </u>	\$5,955.83

## TELEPHONES.

Oak Grove Cemetery .....	\$37.00	
Pine Grove Cemetery .....	43.00	
Assistant Superintendent's residence .....	16.68	
	<u>          </u>	\$96.68

Road Roller account, supplies .....		\$238.63
Crusher account, supplies .....		157.59
Automobile account, Automobile .....	\$585.00	
Automobile account, supplies .....	183.48	
	<u>          </u>	\$768.48

**FINANCIAL STATEMENT.**

FOR THE YEAR ENDING DECEMBER 6, 1914.

## DR.

Balance, old account.....	\$264.74
Annual appropriation.....	20,000.00
Receipts, labor to December 7, 1914.....	11,855.22
Receipts, on Perpetual care lots.....	6,138.75
	<hr/>
	\$38,258.71

## CR.

Transferred to unappropriated funds, (see City Auditor's balance).....	\$261.74
Expenditures, general.....	37,947.45
Unexpended balance.....	46.52
	<hr/>
	\$38,258.71

## SALE OF LOTS.

## DR.

Balance, old account.....	\$1,965.10
Receipts, Sales of Lots, to December 7, 1914.....	6,730.00
	<hr/>
	\$8,695.10

## CR.

Expenditures, improvement and embellishment....	\$7,852.57
Balance, on new account.....	842.53
	<hr/>
	\$8,695.10

Amount of uncollected bills to December 7, 1914... \$2,339.39

Respectfully submitted,

PARDON A. MACOMBER, *Clerk.*

## PERPETUAL CARE LOTS.

Amount deposited in perpetual care in 1914 .....	\$10,045.00
Total amount now deposited .....	\$183,221.62
Number of lots placed in perpetual care in 1914 ..	79
Number of additional deposits on lots already in perpetual care .....	4
Total number of lots in perpetual care .....	1,523

## ANNUAL CARE LOTS.

Total number of lots in annual care .....	1,337
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**Annual Report**  
**OF THE**  
**CITY CLERK**  
**OF THE**  
**CITY OF NEW BEDFORD**  
**MASSACHUSETTS**  
**For the Year 1914**



**NEW BEDFORD, MASS.**  
**MERCURY PUBLISHING Co., 112-114 UNION ST.**  
**1915**





## ANNUAL REPORT OF CITY CLERK.

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City of New Bedford,  
City Clerk's Office,  
Jan. 30, 1915.

To the City Council.

Gentlemen:—During the fiscal year 1914 (December, 1913, to November, 1914, inclusive) the City Clerk received and turned into the city treasury the following:—

### FOR LICENSES.

Auctioneers,	\$96.00	
Billiards, pool, etc.,	1,645.00	
Bowling alleys,	117.00	
Firearms,	90.00	
Carousals, etc.,	43.86	
Fruit peddlers,	1,980.00	
Fruit peddlers, badges,	19.00	
Fruit peddlers, wagon plates,	50.00	
Hacks and wagons,	97.00	
Wagon plates,	98.50	
Motor trucks,	26.00	
Autos, etc.,	11.00	
Intelligence office,	16.00	
Junk dealers,	275.00	
Junk collectors,	174.00	
Junk collectors' badges,	7.50	
Junk collectors' wagon plates,	29.00	
Pawnbrokers,	425.00	
Petroleum,	98.00	
Petroleum, registration,	121.00	
Gunpowder, registration,	1.50	
Private detective,	40.00	
Scallop permits,	83.00	
Sausage permits,	16.00	
Lunch vehicle,	50.00	
Garage,	70.00	
Skating rink,	5.00	
Dry cleaning,	1.00	
		<hr/> \$5,685.36

## CITY CLERK'S REPORT.

## FEES.

Intention of marriages,	\$1,345.00	
Mortgages,	266.45	
Assignment of mortgages,	4.00	
Foreclosure of mortgages,	1.75	
Discharge of mortgages,	30.50	
Bills of sale and conditional bills of sale,	51.50	
Discharge of bills of sale,	.75	
Assignment of wages,	15.25	
Discharge of assignment of wages,	.75	
Married women's certificates,	8.25	
Voluntary assignments,	17.00	
Writs,	1.75	
Copies of record,	898.42	
Telephone toll calls,	.35	
Business certificates,	5.75	
Transfers,	1.50	
Dog fees, (City's share, Ch. 102, R. L.),	549.80	
		<hr/>
		\$3,198.77
Total of licenses and fees returned to city treasury,		<hr/>
		\$8,884.13

## OTHER FINANCIAL BUSINESS.

Dog fees collected and returned to County Treasurer, (County's share, Ch. 102, R. L.),	\$6,340.20
Hunters' licenses issued and returned to Commissioners on Fisheries and Game,	786.00
Non-resident hunters' licenses, ditto,	1.00
Un-naturalized foreign born hunters' licenses, ditto,	15.00
	<hr/>
	\$7,142.20
	<hr/>
Total receipts and returns during 1914,	\$16,026.33

By comparison with the figures of the previous year it will be seen that the receipts of the office were \$1,100.23 more in 1914 than in 1913. The increase for the corresponding period in the amount of dog fees was \$329, and the increase in the amount received from hunters' licenses issued was \$25. All of which shows the growth of business.

## VITAL STATISTICS.

During the year 1914 there were recorded in the office of the city clerk, as registrar of births, marriages and deaths, the following:—

Births,	3,793
Marriages,	1,342
Deaths,	1,990

Of the births reported, 151 were stillborn.

Using the U. S. Census Bureau's estimate of the mid-year population (July 1, 1914, 111,230) the birth rate for 1914 was 32.74 per 1,000; the birth rate for 1913 was 33.50, a falling off of seventy-six one hundredths of one per cent.

Based on the same method of reckoning the death rate for 1914 was 16.53; the death rate for 1913 was 16.05.

There were 46 more marriages recorded in 1914 than in 1913.

There were 40 more marriage intentions filed in 1914 than in 1913.

The canvass for 1914 births, required by law, and made during January, 1915, has been conducted along the lines established in 1914. Fifteen birth canvass districts, averaging 2,000 polls to the district, were laid out, and the canvass was completed Jan. 23d.

The 1914 birth record is made up from various sources, including reports from physicians, midwives, canvassers, church records, parents, and city and town records outside of New Bedford. The fact that the birth canvassers, in their house to house visits throughout the city, secured reports of only 112 births which had not already been reported to the city clerk's office, shows that the physicians, midwives, etc., are making their returns with a considerable degree of perfection. Figured on the percentage basis, the city clerk's office, previous to the annual canvass, had secured 97.05 per cent. of the total births in the city, the canvass completing the remaining 2.95 per cent.

The following table shows the sources of the 1914 birth returns:

Reported by physicians,	2,478
Reported by midwives,	830
Reported by canvassers, (not otherwise covered),	112
Reported from church records,	163
Reported from death returns,	110
Reported by parents, town clerks, etc.,	100
	<hr/>
	3,793

As a result of the completeness of the birth registration, New Bedford has been selected by the director of the Children's Bureau of the U. S. Department of Labor as one of the cities where a canvass for the investigation of facts regarding infant mortality is to be made, and at this writing a force of U. S. canvassers, under the supervision of Miss J. S. Whitney, is at work. It is a source of gratification to the registrar to be able to point to this canvass as proof that the slogan "Births must be reported," started in 1911, has borne good results.

#### MINOR LICENSES.

The Legislature of 1914 passed an act authorizing the board of mayor and aldermen to delegate to the city clerk their authority in the matter of the granting and issuing of certain minor licenses. This Act is Chapter 141 of the Acts of 1914, and is as follows:

An Act relative to the Issuance of Permits and Licenses in the City of New Bedford. Be it enacted, etc., as follows:

Section 1. The mayor and aldermen and the city council of the city of New Bedford may delegate to the city clerk of the city, subject to such restrictions as they may impose, the powers respectively vested in them by the laws of the commonwealth to grant licenses, and may respectively regulate the granting of licenses or permits which the mayor and aldermen or which the city council are authorized to grant by the statutes of the commonwealth, except such as may be granted by the mayor and aldermen under the provisions of chapter one hundred of the Revised Laws and acts in amendment thereof or in addition thereto.

Section 2. So much of any act as is inconsistent herewith is hereby repealed.

Section 3. This act shall take effect upon its passage. Approved March 7, 1914.

Under the authority of this act, and an ordinance passed by the city council and approved by the mayor April 9, 1914, minor licenses have been granted and issued by the city clerk since that time. The results have borne out the arguments advanced by the advocates of the bill. Much routine work has been saved the board of mayor and aldermen, the city council records have been relieved of many entries, and the public at large has been better served.

Whereas, under the old method, of granting and issuing minor licenses, the licensees were obliged to wait two and sometimes three weeks after the date of application before licenses could be issued, under the new method a license may be issued at once, if it is a renewal, and within a few days, if the application is a new one, the lapse of time being only that necessary for the police to make an investigation and report to the city clerk as to the fitness of the applicant to exercise the license applied for.

An attempt was made, in senate bill No. 65, petitioned for at the current session of the legislature (1915), to remove the authority for the issue of minor licenses from the office of the city clerk to the license commissioners provided for in the bill. This bill failed of passage, being killed in the house.

In connection with the matter of minor licenses I desire to renew a recommendation which I have made every year since I have been city clerk,—that a police officer be detailed to the special service of looking after minor licenses.

An officer detailed for this particular work, would, in my opinion, become specialized in the business, and, in consequence, oversight of the licensees could be systematically arranged and carried out with more satisfaction to all concerned than under the present method. Not only would the city secure license fees which now escape through the system of minor license supervision in force, but the men who pay

their good money for licenses required by law before they can legally ply their vocations would be better protected, through the efficiency of such an officer, from the competition of unscrupulous dealers who now manage to get by without paying into the treasury the license fees which they should pay.

No criticism is intended as to the operations of the police under the present system: the police have been willingly co-operative. Rather is it sought to improve the method. In other words, under the present method of handling the minor license situation the enforcement of the law is spasmodic. If a specially detailed officer were continuously on the job, the enforcement of the law regarding minor licenses, if the officer attended to his duty, would be carried out with much better results.

Such an officer, in addition to his duties in the enforcement of the minor license laws, could make the necessary investigations required before the issue of new licenses, could serve street notices which the city clerk is required to have served, and could post civil service and election notices. The job would be no sinecure, but one of service. It is my opinion that such an officer, by the increase in the license fees and the saving of money now required to be paid out for the serving and posting of notices, would earn for the city the entire amount of his wages; and I am positive that the work would be better and more systematically handled than it is possible under the present method.

#### BOARD OF SURVEY.

During the year 1914 the legislature passed "An Act to establish a Board of Survey for the City of New Bedford" (Chapter 271, Acts of 1914.) By this act the mayor and board of aldermen are created a board to pass upon the cut-up of land before it is placed on the market for sale. Hitherto, owing to the activity of land speculators, several tracts in New Bedford have been cut up and laid out regardless of the common welfare, the only object in view, apparently.

being the disposal of the land to the advantage of the owners. Under the new law, the board of survey considers the layout proposed by the owners of the tract, and if it does not appear to the board that the projected layout is for the best interests of the city, the board can formulate a plan whereby the city's interests may be conserved.

The plans of one tract have already been approved by the board and two other projects are now under consideration.

The city clerk, by the provisions of the law, is the clerk of the board.

#### WARD AND PRECINCT DIVISIONS.

Under the provisions of Chapter 676 of the Acts of 1914, entitled "An act relative to the re-division of cities into wards and voting precincts," the city council, at a meeting held Dec. 23, 1914, (the order being approved by the mayor Dec. 24, 1914), made a new division of the city into the six wards provided by the city charter. This division, which was made, under the direction of a special city council committee, by the city engineer's department in accordance with data furnished by the registrars of voters, provides that each ward shall contain practically 2,000 registered voters. The new lines correct the unbalanced condition of the wards, which were re-divided, as provided by law, 10 years ago. Since the previous re-division, the growth in population at the north and south ends of the city had resulted in a disproportionate number of registered voters in both wards one and six.

By an order adopted by the board of aldermen Jan. 14, 1915, the wards, as divided by the city council of 1914, were sub-divided into 24 precincts, four precincts to a ward. As nearly as possible the precincts were so laid out as to contain approximately 500 registered voters.

For the purpose of elections, the new ward and precinct divisions will go into effect January 1, 1916.

Precinct 16, under the old division, was sub-divided into two precincts, by an order adopted by the board of



aldermen Jan. 14, 1915, the number of registered male voters in that precinct having exceeded 1,000, the limit provided by law. This division will take effect at the 1915 elections. The new precinct named was designated as precinct 19.

### REGISTRARS OF VOTERS.

Inasmuch as the city clerk is a member, ex-officio, of the board of registrars of voters, and since the registrars of voters do not make an annual report, it may not seem out of place, here, to touch on the recent activities of the board.

During the past year the registrars have reduced the voting list to a card system, a move which has been desirable for many years, but which has not before been undertaken for various reasons. Under the system installed, every voter on the list is represented by a card, which, when complete, will contain all the essential details as to the voter's registration history.

In order to render this card system available for use at the state primaries of 1914 and the elections following, it was not possible to transfer to each card the date of registration with the book and page number of the register where the original entry was made. This work, which entails research and painstaking care, was left for the year 1915.

To do the work required it has been necessary to employ a clerk for practically the entire year, and the completion of the work, with the up-keep of the system, will make the employment of a permanent clerk necessary.

The value of the work is without question to anybody who knows anything about the subject. Since the card system has been in shape for use, many hours have been saved to the registrars by it, both in the checking of nomination papers and at the time of registration. By its use, also, it has been possible to correct many errors, some of long standing, which have crept into the voting lists from time to time. The fact that during the last municipal election the registrars of voters were required to issue but two certificates to correct errors in the voting lists, and that these two errors were

traceable to another department, speaks for the card system as no words can.

### ELECTIONS.

During the year 1914 there were three regular elections (the joint primaries being counted as an election) and one special election, this being to fill a vacancy in the office of assistant assessor for ward two, caused by the death of Daniel J. Sheehan.

The results of the state and municipal elections are here given.

#### STATE ELECTION, NOV. 3, 1914.

##### GOVERNOR.

Alfred H. Evans, Prohibition, Hadley,	185
Samuel W. McCall, Republican, Winchester,	4,352
Arthur E. Reimer, Socialist Labor, Boston,	92
Samuel C. Roberts, Socialist, Springfield,	323
Joseph Walker, Progressive, Brookline,	629
David I. Walsh, Democratic, Fitchburg,	4,343
Blanks and scattering,	263

##### LIEUTENANT GOVERNOR.

Edward P. Barry, Democratic, Boston,	3,891
Grafton D. Cushing, Republican, Boston,	4,917
Arthur Howard, Prohibition, Salem,	160
James P. Magennis, Progressive, Boston,	332
Sylvester J. McBride, Socialist, Watertown,	351
Patrick Mulligan, Socialist Labor, Boston,	110
Blanks and scattering,	426

##### SECRETARY.

Percy B. Ball, Socialist, North Attleborough,	365
Frank J. Donahue, Democratic, Boston,	3,637
James W. Holden, Socialist Labor, New Bedford,	407
Albert P. Langtry, Republican, Springfield,	4,491
William G. Merrill, Prohibition, Malden,	161
Russell A. Wood, Progressive, Cambridge,	566
Blanks and scattering,	560

## TREASURER.

Charles L. Burrill, Republican, Boston,	4,854
Joseph M. Coldwell, Socialist, Milford,	409
Frederick Fosdick, Progressive, Fitchburg,	372
Thomas A. Frissell, Prohibition, Hinsdale,	126
Karl Lindstrand, Socialist Labor, Lynn,	141
Frederick W. Mansfield, Democratic, Boston,	3,642
Blanks and scattering,	643

## AUDITOR.

Alonzo B. Cook, Republican, Boston,	4,998
Daniel R. Donovan, Socialist, Springfield,	461
John Drysdale, Prohibition, North Adams,	143
Frederick P. Glazier, Progressive, Hudson,	349
Fred E. Oelcher, Socialist Labor, Peabody,	94
Frank H. Pope, Democratic, Leominster,	3,376
Blanks and scattering,	766

## ATTORNEY GENERAL.

Henry C. Atwill, Republican, Lynn,	4,909
Thomas J. Boynton, Democratic, Everett,	3,520
John Hildredth, Progressive, Holyoke,	364
Howard B. Rand, Prohibition, Haverhill,	128
John Weaver Sherman, Socialist, Boston,	445
William Taylor, Socialist Labor, Worcester,	165
Blanks and scattering,	656

## CONGRESSMAN, 16th DISTRICT.

Thomas C. Thacher, Democratic, Yarmouth,	4,154
Thomas Thompson, Progressive, New Bedford,	1,240
Joseph Walsh, Republican, New Bedford,	4,461
Blanks and scattering,	332

## COUNCILLOR, 1st DISTRICT.

John D. W. Bodfish, Progressive, Barnstable,	439
James P. Doran, Democratic, New Bedford,	4,121
David L. Parker, Republican, New Bedford,	4,887
Elmer A. Wright, Socialist, Whitman,	360
Blanks and scattering,	380

## SENATOR, 3d BRISTOL DISTRICT.

Daniel T. Devoll, Democratic, New Bedford,	2,609
Andrew P. Doyle, Republican, New Bedford,	5,232
William A. Halliday, Progressive, New Bedford,	1,737
Blanks and scattering,	609

## REPRESENTATIVE, 7th BRISTOL DISTRICT.

D. Herbert Cook, Republican, New Bedford,	2,307
John F. Hatch, Jr., Republican, New Bedford,	2,189
Timothy F. McCrohan, Republican-Independent, New Bedford,	1,283
Douglas L. McGee, Republican-Independent, New Bedford,	1,440
John T. Sloane, Democratic, New Bedford,	1,272
Blanks and scattering,	2,253

## REPRESENTATIVE, 8th BRISTOL DISTRICT.

John Henry Backus, Jr., Democratic, New Bedford,	1,575
William A. Burns, Republican-Independent, New Bedford,	835
John Enos, Socialist, New Bedford,	177
Robert Goodman, Progressive, New Bedford,	268
John Halliwell, Republican, New Bedford,	2,349
George Hotte, Democratic, New Bedford,	650
Richard Knowles, Republican, New Bedford,	2,219
Richard Smith, Socialist, New Bedford,	184
Blanks and scattering,	1,373

## COUNTY COMMISSIONER, BRISTOL COUNTY.

Henry F. Burt, Democratic, Taunton,	3,331
Willard C. Corey, Progressive, Attleborough,	590
Richard E. Warner, Republican, Taunton,	5,302
Blanks and scattering,	964

Shall an act passed by the general court in the year nineteen hundred and fourteen, entitled "An act relative to vacations of laborers employed by cities and towns," be accepted?

Yes,	2,823
No,	6,071
Blanks,	1,293

Shall an act passed by the general court in the year nineteen hundred and fourteen to make Saturday a half-holiday, without loss of pay, for laborers, workmen and

mechanics employed by or on behalf of the commonwealth or otherwise to regulate their employment, be accepted?

Yes,	3,752
No,	5,257
Blanks,	1,178

Shall an act passed by the general court in the year nineteen hundred and fourteen, providing for the abolition of party enrollment at primary elections, be accepted?

Yes,	5,265
No,	2,859
Blanks,	2,063

Shall the representative from this district support the initiative and referendum, so as to give the voters the power to accept or reject at the polls measures that have been proposed by petition? (Eighth Bristol district, Wards 4, 5 and 6.)

Yes,	2,655
No,	1,121
Blanks,	1,039
Total number of names checked on the voting lists,	10,187
Whole number of ballots cast,	10,187
Whole number of ballots cast in Representative District, 7th Bristol,	5,372
Whole number of ballots cast in Representative District, 8th Bristol,	4,815

## MUNICIPAL ELECTION, DEC. 1, 1914.

(As Amended by Recount.)

### MAYOR.

Charles S. Ashley, Citizens party,	5,488
Arthur N. Harriman, Socialist,	450
Edward R. Hathaway, Fusion party,	5,632
Blanks and scattering,	823

### ALDERMAN, WARD ONE.

Aldege Chausse, Citizens party,	4,301
Samuel A. Goodfellow, Fusion party,	5,128
William D. Hamel, Independent,	1,696
Blanks and scattering,	1,328

**CITY CLERK'S REPORT.****15****ALDERMAN, WARD TWO.**

Harmidas P. Dion, Fusion party,	3,190
Mortimer McCarty, Citizens party,	4,024
John Morris, Independent,	3,960
Blanks and scattering,	1,199

**ALDERMAN, WARD THREE.**

Edward L. Cronin, Fusion party,	6,289
John B. Lowney, Citizens party,	4,564
Blanks and scattering,	1,520

**ALDERMAN, WARD FOUR.**

John H. Aindow, Fusion party,	4,979
Clifton W. Bartlett, Citizens party,	5,799
Blanks and scattering,	1,595

**ALDERMAN, WARD FIVE.**

Samuel E. Bentley, Fusion party,	5,461
John Enos, Socialist,	430
Robert C. Sherman, Citizens party,	5,136
Blanks and scattering,	1,346

**ALDERMAN, WARD SIX.**

William K. Lees, Citizens party,	4,951
Milo L. Moss, Socialist,	488
Gilbert G. Southworth, Fusion party,	5,528
Blanks and scattering,	1,406

**ASSESSOR-AT-LARGE.**

John H. Finnell, Citizens party, Fusion party,	9,101
Joseph D. Rheaume, Socialist,	1,268
Blanks and scattering,	2,004

**SCHOOL COMMITTEE.**

Napoleon Beaulieu, Public School Association,	4,339
Anna W. Croacher, Public School Association,	6,610
Joseph N. Finni, Independent,	1,516
George F. Lewis, Independent,	3,924
Frank Mansur, Independent,	1,468
Florence A. Martin, Socialist,	1,546
Edward Smith, Socialist,	1,053
Blanks and scattering,	4,290

## COMMON COUNCIL, WARD ONE.

Arthur A. Audette, Fusion party,	1,072
Alfred Bolton, Independent,	434
Rodolph J. Carrier, Citizens party,	1,277
Albert Cassidy, Citizens party,	879
James Connor, Fusion party,	721
William Foster, Independent,	722
George Henry Hancock, Fusion party,	833
James M. Hughes, Citizens party,	1,042
George F. Lacroix, Fusion party,	1,149
Arsene J. Levesque, Citizens party,	928
Blanks and scattering,	1,965

## COMMON COUNCIL, WARD TWO.

Joseph Bowler, Fusion party,	839
James F. Collins, Citizens party,	1,037
Anatole England, Fusion party,	710
William A. Harrington, Citizens party,	842
John H. Hollihan, Fusion party,	954
Frank A. McNulty, Fusion party,	777
Rothwell Slater, Citizens party,	775
Robert S. Weaver, Citizens party,	877
Blanks and scattering,	1,621

## COMMON COUNCIL, WARD THREE.

Chester W. Chase, Citizens party,	780
George T. Duckworth, Citizens party,	679
Hubert S. Kelleher, Citizens party,	780
George E. Lilley, Fusion party, Independent,	712
Samuel A. Percy, Citizens party,	645
Isalah C. Wagner, Fusion party,	415
Stephen J. Weston, Jr., Fusion party,	558
James Whittaker, Fusion party,	570
Blanks and scattering,	1,361

## COMMON COUNCIL, WARD FOUR.

Frederick J. J. Abrams, Citizens party,	698
Robert Burke, Citizens party,	667
Daniel S. Eaton, Fusion party,	549
Andrew Gunning, Fusion party,	624
James E. Middleton, Fusion party,	444
Ward M. Parker, Citizens party,	698
Walter H. Peirce, Citizens party,	811
Louis N. Schuler, Fusion party,	627
George Sylvia, Independent,	428
Blanks and scattering,	1,186

## COMMON COUNCIL, WARD FIVE.

Murray F. Barrows, Citizens party,	851
Harrison T. Borden, Citizens party,	864
Albert M. Johnson, Independent,	225
Albert C. Langshaw, Fusion party,	604
John McCullough, 3d, Citizens party,	829
Rossa Moriarty, Citizens party,	912
Joseph A. Murphy, Fusion party,	530
John C. Noyer, Fusion party,	604
Herbert W. Sutton, Fusion party,	571
Blanks and scattering,	1,390

## COMMON COUNCIL, WARD SIX.

Henry Breton, Fusion party,	990
Joseph H. Fernandes, Citizens party,	901
Eugene Genereux, Socialist,	203
Manuel Jason, Fusion party,	740
Patrick F. Mitchell, Citizens party,	744
James O'Rourke, Fusion party,	952
Felix Tetrault, Citizens party,	721
Arthur Tomlinson, Socialist,	263
John Watling, Fusion party,	1,099
John T. Wilkinson, Citizens party,	862
Blanks and scattering,	1,933

## ASSISTANT ASSESSOR, WARD ONE.

Joseph Arsene Dionne, Citizens Party, Fusion party,	1,652
William Smith, Independent,	818
Blanks and scattering,	290

## ASSISTANT ASSESSOR, WARD TWO.

James H. Holden, Citizens party,	1,055
John P. O'Hara, Fusion party,	837
Blanks and scattering,	216

## ASSISTANT ASSESSOR, WARD THREE.

Frederick A. Washburn, Citizens party, Fusion party,	1,233
Blanks and scattering,	392

## ASSISTANT ASSESSOR, WARD FOUR.

Roland A. Leonard, Citizens party, Fusion party,	1,323
Blanks and scattering,	360

## ASSISTANT ASSESSOR, WARD FIVE.

Frederick D. Sowle, Citizens party, Fusion party,	1,378
Blanks and scattering,	467



## ASSISTANT ASSESSOR, WARD SIX.

Matthew Quinlan, Citizens party, Fusion party,	1,726
Blanks and scattering,	626

Shall the license commissioners of the City of New Bedford prohibit the selling or dispensing of intoxicating liquors by licensed clubs to their members or others on Sundays and holidays?

Yes,	6,808
No,	4,505
Blanks,	1,060

Shall licenses be granted for the sale of intoxicating liquors in this city?

Yes,	6,795
No,	4,492
Blanks,	1,086

Total number of names checked on voting lists, Men,	11,792
Women,	581

Total number of ballots cast,	12,373
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Respectfully submitted,

W. H. B. REMINGTON,  
City Clerk.

In Board of Aldermen,

Feb. 11, 1915.

**Received, placed on file, ordered printed in the City Documents, and sent down for concurrence.**

W. H. B. REMINGTON, City Clerk.

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In Common Council,

Feb. 11, 1915.

**Concurred.**

CHARLES P. SAWYER, Clerk.



**THE**  
**Auditor's Annual Report**

**OF THE**  
**Receipts and Expenditures**

**OF THE**  
**CITY OF NEW BEDFORD**  
**MASSACHUSETTS**

**For the Year**

**1914.**

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**NEW BEDFORD, MASS**  
**THE A. E. COFFIN PRESS, PRINTERS.**  
**1915.**

# THE CITY OF NEW BEDFORD.

OFFICE OF THE CITY AUDITOR.

June 1, 1915.

*The Honorable City Council :*

I respectfully submit herewith a report of the receipts and expenditures of the City of New Bedford for the financial year 1914, with a statement of the bonded debt and a schedule of the city property.

CHARLES J. MCGURK,  
City Auditor.

74 13  
2,886.01  
11,740.31

128.00  
4,076.77  
11,495.00  
20.00

Public library, C. Howland, Jr. fund.....  
Public library, S. A. Howland fund.....  
Public library, Kempton fund.....





## RECEIPTS

SOURCES OF RECEIPTS	Revenue for Expenses	Revenue for Outlays	Total
<b>Taxes.</b>			
1914. Property.....	\$1,958,002.36		
Polls.....	33,644.00		
Corporations.....	162,132.33		
Street railways.....	18,935.95		
National bank from State.....	5,139.61		
Ships in foreign trade.....	10.00		
Prior Years. Property.....	171,911.44		
Polls.....	16,016.00		
<b>Total.....</b>	<b>\$2,365,791.69</b>		<b>\$2,365,791.69</b>
<b>Licenses and Permits.</b>			
<b>LICENSES.</b>			
Amusements.....	\$292.86		
Auctioneers.....	96.00		
Billiards and bowling.....	1,762.00		
Firearms and gun powder.....	91.50		
Fruit pedlers.....	2,049.00		
Hacks and wagons.....	232.50		
Health.....	32.00		
Intelligence offices.....	16.00		
Itinerant venders.....	75.00		
Junk collectors.....	485.50		
Liquor.....	83,085.75		
Milk, provisions and slaughter.....	249.50		
Pawnbrokers.....	425.00		
Petroleum.....	219.00		
Private detectives.....	40.00		
Sunday.....	1,805.00		
Victuallers and innholders.....	1,115.00		
<b>PERMITS.</b>			
Marriage.....	1,345.00		
Scallop.....	83.00		
Lunch cart.....	50.00		
Sausage.....	16.00		
Garage.....	70.00		
Dry cleaning.....	1.00		
<b>Total.....</b>	<b>\$93,636.61</b>		<b>\$93,636.61</b>
<b>Fines and Forfeits.</b>			
Court fines.....	\$4,922.92		
<b>Total.....</b>	<b>\$4,922.92</b>		<b>\$4,922.92</b>



## AUDITOR'S REPORT.

## RECEIPTS.

SOURCES OF RECEIPTS	Revenue for Expenses	Revenue for Outlays	Total
<b>Grants and Gifts.</b>			
Industrial school, from State.....	\$14,757.18		
Shellfish commission, from State.....	1,900.56		
Bristol County, dog licenses.....	4,988.86		
Total.....	\$21,646.60		\$21,646.60
<b>Special Assessments.</b>			
Sewer construction.....		\$38,702.71	
Total.....		\$38,702.71	\$38,702.71
<b>Privileges.</b>			
Street railway excise tax.....	\$13,106.80		
Total.....	\$13,106.80		\$13,106.80
<b>Departmental.</b>			
GENERAL GOVERNMENT.			
City clerk, fees.....	\$1,953.77		
City property, rent and sales.....	24.22	\$923.00	
City collector, fees and costs.....	2,725.42		
City solicitor, fees and costs.....	400.00		
Licensing board, fees.....	198.79		
Engineering department, sales.....	775.50		
Total.....	\$5,977.66	\$923.00	\$6,900.66
PROTECTION OF LIFE AND PROPERTY.			
Fire department, sales.....	\$313.71		
Fire department, service.....	255.34		
Rifle range, sales.....	27.00		
Police, sales.....	148.05		
Police, service.....	24.00		
City sealer, fees.....	1,057.79		
Total.....	\$1,825.89		\$1,825.89
HEALTH AND SANITATION.			
Board of health, inspection.....	\$98.70		
Board of health, reimbursements.....	10,329.26		
Sewers and drains, miscellaneous.....	16,149.49	\$2.40	
Sewer entry fees.....	720.00		
Total.....	\$27,297.45	\$2.40	\$27,299.85
HIGHWAYS AND BRIDGES.			
Sales of material.....	\$29.82		
Sidewalk construction.....		\$5,828.77	
Bridge repairs, Coggeshall street.....	6,850.12		
Miscellaneous, private work.....	11,845.11		
Total.....	\$18,725.05	\$5,828.77	\$24,553.82

## RECEIPTS.

SOURCES OF RECEIPTS.	Revenue for Expenses	Revenue for Outlays	Total
<b>CHARITIES.</b>			
Almshouse, sale of produce.....	\$1,356.37		
Reimbursements from persons.....	1,758.81		
Reimbursements from cities and towns	6,225.28		
Reimbursements from State.....	7,620.01		
<b>Total.....</b>	<b>\$16,960.47</b>		<b>\$16,960.47</b>
<b>SOLDIERS BENEFITS.</b>			
Burial of soldiers.....	\$957.00		
Military aid.....	2,307.50		
State aid.....	11,486.00		
<b>Total.....</b>	<b>\$14,750.50</b>		<b>\$14,750.50</b>
<b>EDUCATION.</b>			
Tuition.....	\$2,096.24		
Miscellaneous sales.....	122.51		
Industrial school, tuition.....	4,382.20		
<b>Total.....</b>	<b>\$6,600.95</b>		<b>\$6,600.95</b>
<b>LIBRARIES.</b>			
Fines.....	\$1,096.00		
Sales.....	17.39		
Rent.....	15.00		
<b>Total.....</b>	<b>\$1,128.39</b>		<b>\$1,128.39</b>
<b>RECREATION.</b>			
Bathing houses, fees.....	\$534.57		
Park commission, rent.....	175.00		
Park commission, sales.....	203.92		
<b>Total.....</b>	<b>\$913.49</b>		<b>\$913.49</b>
<b>Total Departmental.....</b>			<b>\$100,934.02</b>

## RECEIPTS.

SOURCES OF RECEIPTS	Revenue for Expenses	Revenue for Outlays	Total
<b>Public Service Enterprises.</b>			
NEW BEDFORD WATER WORKS.			
Income from sale of water.....	\$297,279.94		
Receipts from other sources.....	20,315.49	\$125.69	
Total.....	\$317,595.43	\$125.69	\$317,721.12
DEPARTMENT OF WHARVES.			
Wharfage.....	\$2,715.28		
Dockage.....	3,327.27		
Rents.....	1,897.30		
Water.....	405.60		
Sales.....	83.46		
Total.....	\$8,428.91		\$8,428.91
<b>Total, Public Service Enterprises.....</b>			<b>\$326,150.03</b>
<b>Cemeteries.</b>			
Care of lots and graves.....	\$16,548.56		
Sale of lots and graves.....		\$6,730.00	
<b>Total Cemeteries.....</b>	<b>\$16,548.56</b>	<b>\$6,730.00</b>	<b>\$23,278.56</b>
<b>Interest.</b>			
On Kempton fund.....	\$11,495.00		
On library funds.....	1,333.77		
On school funds.....	1,031.77		
On deferred taxes.....	3,116.56		
On bank deposits.....	6,524.76		
On assessments.....	922.59		
<b>Total, Interest.....</b>	<b>\$24,424.45</b>		<b>\$24,424.45</b>

## RECEIPTS

SOURCES OF RECEIPTS.	Revenue for Expenses	Indebtedness	Total
<b>Municipal Indebtedness.</b>			
Temporary tax loans, 1913, notes.....		\$140,000.00	
Temporary revenue loan, 1914, notes..		1,815,000.00	
Street widening loan, notes.....		200,000.00	
Sewer loan, notes.....		160,000.00	
Highway loan, notes.....		40,000.00	
Union street widening, bonds.....		128,000.00	
Sixth street widening, bonds.....		20,000.00	
Purchase street widening, bonds.....		396,000.00	
Restoration of trust funds, bonds....		117,100.00	
Highway improvement, bonds.....		125,000.00	
Sewer construction, bonds.....		100,000.00	
School equipment, bonds.....		10,000.00	
Park land, bonds.....		34,171.00	
Cemetery land, bonds.....		10,711.05	
Highways, macadam, bonds.....		100,000.00	
Loans for miscellaneous purposes, bonds		80,000.00	
Premium on bonds sold.....		16,543.72	
Unpaid warrants of current year.....		227,157.34	
<b>Total Municipal Indebtedness.....</b>		<b>\$3,659,683.11</b>	<b>\$3,659,683.11</b>

## RECEIPTS.

SOURCES OF RECEIPTS	Temporary Accounts	Total
<b>Sinking Funds.</b>		
From sinking fund commissioners to pay bonds.....	\$32,000.00	
Total.....	\$32,000.00	\$32,000.00
<b>Agency and Trust Accounts.</b>		
AGENCY.		
State tax.....	\$213,220.00	
County tax.....	124,818.69	
Non-resident bank tax.....	47,306.53	
Liquor licenses for state.....	27,695.25	
TRUST.		
Cemeteries, perpetual care deposits ....	10,045.00	
Highway deposits.....	8,544.33	
Sewer deposits.....	14,862.42	
Summons fees due collectors.....	1,181.00	
Department advances returned.....	753.67	
Salary advances returned .....	17,660.06	
Shellfish commission, advance returned	1,000.00	
Department advances returned .....	10,916.12	
Cash discrepancies.....	194.42	
Total.....	\$478,197.49	\$478,197.49
<b>Refunds.</b>		
Sundry departments.....	\$431.48	
Accrued interest.....	9,724.58	
Total.....	\$10,156.06	\$10,156.06
Total cash receipts.....		\$7,192,631.05
Service and interest transfers.....		145,917.91
Total.....		\$7,338,548.96
<b>Cash.</b>		
Cash at beginning of the year.....		412,805.65
Total.....		\$7,751,354.61

**PAYMENTS.**

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>DEPARTMENTAL.</b>			
<b>General Government.</b>			
<b>CITY COUNCIL.</b>			
Salaries of aldermen.....	\$600.00		
Salary clerk of common council.....	500.00		
Compensation of pages.....	153.00		
Advertising.....	387.14		
Carriage hire.....	430.70		
City council calendar .....	260.16		
City documents .....	1,008.79		
Committee expenses.....	725.00		
Expert services.....	140.00		
Plant decorations .....	61.00		
Printing and stationery.....	230.55		
Recording and filing plans .....	57.85		
Special services.....	346.00		
Miscellaneous charges.....	52.74		
<b>Total.....</b>	<b>\$4,952.93</b>		<b>\$4,952.93</b>
<b>MAYOR.</b>			
Salary of mayor.....	\$5,000.00		
Salary of secretary to mayor.....	1,325.00		
Advertising.....	293.46		
Carriage hire.....	226.26		
Entertainment of visitors .....	490.00		
Fixtures and furnishings .....	20.40		
Mileage.....	180.00		
Office expenses.....	88.63		
Printing and stationery.....	165.24		
Telephone and telegraph charges.....	199.28		
Traveling expenses.....	740.47		
<b>Total.....</b>	<b>\$8,728.74</b>		<b>\$8,728.74</b>
<b>AUDITOR.</b>			
Salary of auditor.....	\$2,500.00		
Salary of assistant auditor.....	1,732.69		
Clerk hire.....	1,138.50		
Printing and stationery.....	841.27		
Office furnishings and supplies.....	134.40		
Telephone and tolls .....	43.17		
Surety,bond. ....	25.00		
<b>Total.....</b>	<b>\$6,415.03</b>		<b>\$6,415.03</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>TREASURER AND COLLECTOR.</b>			
Salary of treasurer and collector.....	\$3,500.00		
Clerk hire.....	11,010.00		
Driver for paymaster.....	120.00		
Carriage hire.....	1,023.15		
Legal services.....	100.00		
Office expenses .....	292.82		
Postage.....	983.12		
Printing and stationery.....	1,300.34		
Surety bonds .....	436.00		
Telephone and telegraph charges.....	126.90		
Total.....	\$18,892.33		\$18,892.33
<b>ASSESSORS.</b>			
Salaries of assessors (3).....	\$6,000.00		
Compensation of assisitant assessors....	3,056.00		
Clerk hire.....	4,420.00		
Advertising.....	80.83		
Carriage hire.....	323.25		
Printing and stationery.....	1,648.50		
Special services.....	106.78		
Telephone charges.....	46.26		
Traveling and office expenses .....	166.10		
Total.....	\$15,847.72		\$15,847.72
<b>CITY CLERK.</b>			
Salary of city clerk.....	\$2,751.92		
Salary of assistant city clerk.....	1,529.16		
Clerk hire .....	6,776.68		
Advertising.....	321.74		
Fixtures and furnishings.....	351.88		
License badges and plates.....	75.00		
Office and traveling expenses.....	218.78		
Postage, printing and stationery.....	2,132.49		
Posting notices.....	114.00		
Telephone charges.....	143.03		
Typewriters and repairs .....	139.00		
Total.....	\$14,553.68		\$14,553.68

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>CLERK OF COMMITTEES.</b>			
Salary clerk of committees.....	\$1,528.84		
Stenographer and clerk.....	1,113.00		
Office expenses.....	142.95		
Postage, printing and stationery.....	242.37		
Publication municipal manual.....	243.60		
Telegraph and telephone charges.....	181.15		
Total.....	\$3,451.91		\$3,451.91
<b>CITY SOLICITOR.</b>			
Salary of city solicitor.....	\$2,500.00		
Expert witness fees.....	325.00		
Telephone charges.....	153.88		
Travelling and office expenses.....	343.45		
Total.....	\$3,322.33		\$3,322.33
<b>CITY MESSENGER.</b>			
Salary of city messenger.....	\$500.00		
Pay rolls, municipal building.....	16,495.14		
Care of grounds and walks.....	79.09		
Decorating building.....	143.05		
Engine room charges.....	443.61		
Fuel.....	3,512.42		
Furniture and furnishings.....	539.28		
Hardware and tools.....	315.39		
Ice.....	211.35		
Janitor and toilet supplies.....	476.94		
Laundry.....	275.92		
Light and power, commercial.....	847.48		
Machinery repairs.....	357.21		
Miscellaneous supplies.....	72.02		
Printing and stationery.....	263.52		
Stock and labor, repairs.....	632.83		
Telephone and telegraph charges.....	233.12		
Travelling and office expenses.....	150.35		
Water rates.....	368.27		
Total.....	\$25,916.99		\$25,916.99



## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>ELECTIONS.</b>			
Pay of precinct officers.....	\$4,115.00		
Clerical services.....	33.36		
Janitors and watchmen.....	121.00		
Advertising.....	343.89		
Ballot box fittings.....	46.40		
Carriage hire.....	385.50		
Polling places, rent.....	850.00		
Polling places, maintenance.....	630.00		
Posting notices.....	27.65		
Printing and stationery.....	1,320.49		
Total.....	\$7,873.29		\$7,873.29
<b>REGISTRAR OF VOTERS.</b>			
Salaries of registrars.....	\$1,500.00		
Clerk hire.....	1,046.11		
Advertising.....	306.29		
Furniture and furnishings.....	154.19		
Office expenses.....	33.31		
Posting lists.....	92.15		
Printing and stationery.....	1,171.25		
Telephone charges.....	78.17		
Total.....	\$4,381.47		\$4,381.47
<b>LICENSING BOARD.</b>			
Salaries of the board.....	\$1,500.00		
Clerk hire.....	780.00		
Advertising.....	87.34		
Office expenses.....	28.44		
Printing and stationery.....	196.78		
Telephone charges.....	62.01		
Total.....	\$2,654.57		\$2,654.57
<b>ENGINEERING.</b>			
Salary of city engineer.....	\$2,548.00		
Compensation of assistants.....	13,998.30		
Clerk hire.....	1,172.80		
Drawing supplies and instruments.....	681.51		
Furniture and furnishings.....	52.58	\$210.20	
Office supplies and expenses.....	110.80		
Printing and stationery.....	390.49		
Stock and labor.....	94.51		
Stubs and plates.....	51.39		
Telegraph and telephone charges.....	123.07		
Transportation.....	551.00		
Total.....	\$19,774.45	\$210.20	\$19,984.65

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>SUPERINTENDENT OF PUBLIC BUILDINGS AND INSPECTOR OF BUILDINGS.</b>			
Salary of superintendent and inspector	\$2,548.43		
Compensation of assistants.....	3,842.14		
Clerk hire.....	1,431.00		
Automobile maintenance.....	710.82		
Car tickets.....	120.00		
Furniture and furnishings.....	98.72		
Office and traveling expenses.....	107.10		
Printing and stationery.....	223.56		
Telephone and telegraph charges.....	94.51		
<b>Total.....</b>	<b>\$9,176.28</b>		<b>\$9,176.28</b>
<b>NEW MUNICIPAL BUILDING.</b>			
General contractor.....		\$5,440.00	
<b>Total.....</b>		<b>\$ 5,440.00</b>	<b>\$5,440.00</b>
<b>MUNICIPAL BUILDING ALTERATIONS.</b>			
Contractor.....		\$733.55	
<b>Total.....</b>		<b>\$733.55</b>	<b>\$733.55</b>
<b>CITY PROPERTY COMMITTEE.</b>			
Advertising.....	\$52.71		
Barnard monument charges.....	199.79		
Carriage hire.....	21.00		
Almshouse, repairs.....	244.49		
Hathaway playground, labor.....	211.50		
Hathaway playground, board walk.....		\$149.50	
Hathaway playground, apparatus.....		42.19	
Hathaway playground, water.....	22.73		
Municipal building, repairs.....	16.85		
Municipal lot, fence.....	215.34		
Police station, repairs,.....	49.00		
School, Katherine street, filling.....	150.00		
School, Katherine street, fuel.....	427.83		
School, Katherine street, grading.....		559.90	
School, Katherine street, tablet.....		195.00	
School, Katherine street, water.....	22.05		
Skating pond, flooding.....	297.24		
Ward rooms, rent.....	125.00		
Ward rooms, repairs.....	121.10		
Ward rooms, maintenance.....	80.59		
Wood yard, rent.....	43.86		
City clock, removal.....	28.70		
<b>Total.....</b>	<b>\$2,329.78</b>	<b>\$ 946.59</b>	<b>\$3,276.37</b>
<b>Total, General Government.....</b>			<b>\$155,601.84</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Protection of Life and Property.</b>			
POLICE DEPARTMENT.			
Pay rolls, weekly department.....	\$182,883.49		
Pay rolls, reserve police.....	4,509.36		
Pay rolls, quarantine police.....	128.26		
Keeper of lockup.....	100.00		
Labor, women's lockup.....	174.03		
Carriage hire ..	344.00		
Disbursements by chief.....	246.89		
Fuel.....	1,063.97		
Furniture and furnishings.....	115.58		
Janitor supplies.....	238.57		
Laundry.....	105.78		
Lighting.....	1,127.60		
Meals for prisoners .....	368.61		
Printing and stationery .....	467.57		
Repairs to stations.....	282.78		
Rents.....	225.04		
Signal system, maintenance of horses..	96.72		
Signal system, motors and maintenance	2,367.62	\$ 1,230.97	
Signal system, equipment and repairs.	974.28		
Telegraph and telephone charges.....	777.80		
Traveling expenses .....	157.42		
Uniform repairs, equipment and insignia	112.11		
Water rates.....	135.71		
Total.....	\$197,003.19	\$ 1,230.97	\$198,234.16
POLICE SIGNAL SYSTEM.			
Equipment supplies.....	\$ 134.00		
Underground cable charges.....		\$ 2,363.56	
Total.....	\$134.00	\$ 2,363.56	\$2,497.56
FIRE DEPARTMENT.			
Pay rolls, engineers and clerk.....	\$4,900.00		
Pay rolls, permanent men.....	108,850.50		
Pay rolls, call men.....	18,052.55		
Protecting society.....	200.00		
Accident and pension account.....	258.00		
Advertising, printing and stationery...	441.24		
Committee expenses and travel.....	775.73		
Equipment supply charges.....	2,130.54		
Fuel.....	2,318.84		
Furniture and furnishings.....	598.98		
Harness repairs and supplies.....	146.26		
Horse board and auto keep, engineers..	575.00		
Horse maintenance .....	5,678.63		
Laundry .....	141.63		
Lighting .....	1,818.20		
Motor maintenance.....	1,564.55		
New equipment .....		\$ 2,076.10	

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Repair of apparatus .....	\$1,045.78		
Repair of stations .....	1,972.03		
Signal system, charges.....	3,224.58		
Supplies, miscellaneous.....	438.75		
Telephone and telegraph charges .....	703.73		
Water rates.....	356.83		
Total .....	\$156,192.35	\$2,667.76	\$158,860.11
MILITIA.			
Advertising.....	\$3.14		
Boat station expenses .....	7.49		
Carriage hire.....	19.50		
Expenses qualifying marksmen .....	1,048.50		
Targets and stickers.....	201.89		
Total .....	\$1,280.52		\$1,280.52
INSPECTOR OF WIRES.			
Salary of inspector .....	\$1,500.00		
Compensation of assistants.....	2,092.28		
Clerk hire.....	624.00		
Advertising, printing and stationery ..	169.92		
Carriage hire.....	309.70		
Office and traveling expenses .....	193.75		
Stock, supplies and labor .....	103.90		
Telephone charges.....	116.46		
Total .....	\$5,110.01		\$5,110.01
SEALER OF WEIGHTS AND MEASURES.			
Salary of sealer.....	\$1,200.00		
Advertising, printing and stationery...	118.31		
Office rent .....	15.00		
Office and travelling expenses.....	162.14		
Office furniture and furnishings.....	30.22		
Teaming .....	492.50		
Telephone.....	24.00		
Tools and seals .....	60.10		
Total .....	\$2,102.27		\$2,102.27
CITY FORESTRY.			
Pay rolls, salary of forester and labor..	\$4,448.38		
Advertising .....	3.25		
Chemicals .....	15.45		
Labor and teaming.....	610.01		
New trees.....	220.00		
Tools and repairs .....	153.46		
Total .....	\$5,450.55		\$5,450.55
<b>Total, Protection of Life and Property</b>			<b>\$373,535.18</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Health and Sanitation.</b>			
BOARD OF HEALTH.			
Salaries of the board .....	\$1,500.00		
Clerk hire.....	1,696.08		
Agent, salary.....	2,200.08		
Bacteriologists, salary .....	1,041.75		
Department nurses, wages .....	1,036.00		
Health officers, salaries.....	1,492.15		
Medical inspectors, salaries .....	1,041.75		
Milk and provision inspector, salary ..	1,200.00		
Milk collectors and fumigators, wages.	1,641.00		
Plumbing inspectors, salaries .....	3,125.86		
School inspectors, salaries.....	3,995.32		
School employment inspector, salary ..	800.04		
School nurses, wages .....	780.00		
Slaughter inspector, salary.....	517.63		
Advertising, printing and stationery ..	638.10		
Beach cleaning and pond spraying .....	596.59		
Carriage hire and car tickets.....	767.07		
Chemicals and medical supplies.....	687.38		
Garbage removal, contract.....	25,500.00		
Office fixtures and expenses.....	294.44		
Telephone and telegraph charges .....	285.22		
Towboat charges .....	132.00		
Traveling expenses.....	206.38		
Vaccinations .....	954.16		
Contagious diseases, compensation.....	15.68		
"        "        furnishings.....	17.85		
"        "        hospitals .....	1,425.60		
"        "        nurses .....	953.08		
"        "        physicians .....	5,846.37		
"        "        other towns.....	434.21		
"        "        rents.....	19.52		
"        "        supplies.....	259.65		
Isolation hospital, furnishings.....	363.01		
"        "        nurses .....	1,102.65		
"        "        repairs .....	905.58		
"        "        supplies .....	2,144.72		
"        "        wages.....	1,537.47		
Tuberculosis, hospitals .....	29,205.33		
"        "        nurses.....	561.04		
"        "        other towns.....	929.09		
"        "        rents.....	225.10		
"        "        supplies .....	3,156.53		
Pest house, attendants .....	258.56		
"        "        repairs.....	33.36		
"        "        supplies.....	203.08		
<b>Total .....</b>	<b>\$101,726.48</b>		<b>\$101,726.48</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>CITY PHYSICIAN.</b>			
Salary of city physician.....	\$550.00		
<b>Total.....</b>	<b>\$550.00</b>		<b>\$550.00</b>
<b>DENTAL CLINIC.</b>			
Attendant and care taker.....	\$409.68		
Equipment supplies.....	664.41		
Dentist services.....	553.50		
Office expenses.....	72.80		
Rent.....	84.00		
<b>Total.....</b>	<b>\$1,784.39</b>		<b>\$1,784.39</b>
<b>SHELLFISH COMMISSION.</b>			
Share of deficit.....	\$1,039.11		
<b>Total.....</b>	<b>\$1,039.11</b>		<b>\$1,039.11</b>
<b>VITAL STATISTICS.</b>			
Advertising, printing and stationery..	\$ 190.48		
Birth and death returns.....	1,621.50		
Canvass by city clerk.....	522.50		
<b>Total.....</b>	<b>\$2,334.48</b>		<b>\$2,334.48</b>
<b>SEWERS AND DRAINS.</b>			
Pay rolls, labor and teaming.....	\$33,516.29		
Boiler insurance.....	136.00		
Brick.....	143.45		
Castings.....	1,058.63		
Cement.....	2,410.47		
Iron reinforcement.....	121.20		
Machine repairs.....	774.98		
Miscellaneous supplies.....	539.53		
Motor maintenance.....	187.09		
Pipe.....	7,352.79		
Sewer rebates.....	125.00		
Stock and labor, highways account....	4,262.83		
Stock, sewer construction accounts....	681.95		
Tools and repairs.....	959.98		
Water service and repairs.....	310.34		
<b>Total.....</b>	<b>\$52,580.53</b>		<b>\$52,580.53</b>
<b>SEWER CONSTRUCTION, C. 184, 1907.</b>			
Pay rolls, labor and teaming.....		\$1,827.51	
Supplies.....		284.05	
Stock and labor, highways account....		86.25	
Stock and labor, drains account.....		237.70	
<b>Total.....</b>		<b>\$2,435.51</b>	<b>\$2,435.51</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
SEWER CONSTRUCTION, C. 131, 1911.			
Pay rolls, labor and teaming.....		\$4,216.36	
Pipe and sundries.....		422.71	
Stock and labor, highways account...		1,375.35	
Stock and labor, drains account.....		3,098.46	
Stock, sewer construction, C. 76 1912.		131.98	
Total.....		\$9,244.86	\$9,244.86
SEWER CONSTRUCTION, C. 76, 1912.			
Pay rolls, labor and teaming.....		\$943.40	
Stock and labor, highways account...		110.87	
Stock and labor, drains account.....		2,386.08	
Total, .....		\$3,440.35	\$3,440.35
SEWER CONSTRUCTION, C. 183, 1913.			
Pay rolls, labor and teaming.....		3,892.47	
Stock and labor, highways account...		1,437.49	
Stock and labor, drains account.....		1,983.78	
Supplies, miscellaneous.....		26.53	
Total.....		\$7,340.27	\$7,340.27
SEWER CONSTRUCTION, 1914.			
Pay rolls, labor and teaming.....		\$29,962.61	
Cement.....		1,303.31	
Sand.....		383.60	
Supplies, miscellaneous.....		265.60	
Stock and labor, highway accounts...		5,237.98	
Stock and labor, drains account.....		10,396.28	
Timber.....		335.40	
Tools.....		1,104.63	
Total.....		\$48,989.41	\$48,989.41
SEWAGE DISPOSAL, C. 474, 1910.			
Pay rolls, engineering and inspection..		\$11,547.45	
Pay rolls, labor and teaming.....		95,886.68	
Consulting engineer, salary.....		2,000.00	
Advertising, printing and stationery...		311.45	
Cableway and hoist.....		3,640.00	
Castings.....		1,133.50	
Cement.....		9,163.65	
Contractor, J. W. Bishop Co.....		33,389.80	
Contractor, F. A. Gammino.....		24,866.27	
Contractor, Wood Boiler Works.....		5,702.20	
Dirt filling.....		779.00	
Electrical contractors.....		4,171.45	
Electric power and lighting.....		1,934.16	
Explosives.....		2,160.50	
Freight and carting.....		675.36	
Fuel.....		1,011.46	
Hardware and tools.....		1,980.65	

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Iron reinforcement.....		\$1,208.89	
Pumps.....		1,415.00	
Rent, land.....		107.50	
Sand.....		2,587.83	
Stone, broken.....		4,186.12	
Sewer forms, use of.....		200.00	
Sewer pipe.....		8,849.48	
Sluice gates.....		565.10	
Stock, highway improvement account.		76.14	
Stock, highway macadam account.....		255.55	
Stock, labor and teaming, highway account.....		7,159.64	
Stock and labor, drains account.....		1,586.49	
Stock and labor, water works account.		1,132.56	
Stock and labor, outside mechanics.....		3,079.46	
Supplies, miscellaneous.....		1,272.72	
Telephone and telegraph charges.....		128.71	
Timber and lumber.....		3,284.70	
Transportation.....		555.75	
Use of machinery.....		1,857.05	
Total.....		\$239,862.27	\$239,862.27
<b>Total, Health and Sanitation.....</b>			<b>\$471,327.66</b>



## PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Highways and Bridges.</b>			
HIGHWAYS. •			
Pay rolls, salaries and office.....	\$8,119.15		
Pay rolls, labor and teaming.....	195,486.22		
Accident account .....	299.60		
Advertising, printing and stationery..	1,278.28		
Automobile and motor maintenance..	6,941.86	\$875.00	
Building repairs.....	806.63		
Bridge repairs .....	559.88		
Carpenter shop supplies.....	442.59		
Curbing and paving, repairs.....	1,818.98		
Concrete repairs.....	2,312.74		
Crusher stone.....	10,865.78		
Crusher, supplies and repairs .....	1,949.29		
Dust prevention, supplies.....	22,549.48		
Freight and express.....	264.11		
Fuel.....	1,026.85		
Hardware and tools .....	3,709.43		
Office expenses .....	833.87		
Light and power, commercial .....	888.39		
Land rent.....	250.00		
Machine shop supplies .....	478.22		
Miscellaneous supplies .....	3,215.07		
Paint shop supplies.....	478.22		
Road roller repairs and supplies.....	932.94		
Sand.....	567.39		
Teaming supplies.....	9,491.29		
Stock and labor, miscellaneous .....	3,394.83		
Stock, macadam account.....	1,032.75		
Stock and labor, drain account.....	376.66		
Stock, highway improvement account.	7,304.83		
Water .....	1,346.60		
Total.....	\$289,021.93	\$875.00	\$289,896.93
HIGHWAYS, IMPROVEMENTS.			
Pay rolls, labor and teaming.....		\$58,331.17	
Curbing .....		10,206.80	
Endurite paving.....		66,880.26	
Granolithic walks .....		8,336.69	
Hassam paving .....		30,381.44	
Paving blocks.....		9,128.28	
Stock, labor and teaming, highways account.....		22,139.35	
Stock, highways macadam account...		2,419.81	
Stock, drains account.....		224.26	
Supplies, miscellaneous.....		350.22	
Total.....		\$208,398.28	\$208,398.28

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>HIGHWAYS, MACADAM.</b>			
Pay rolls, labor and teaming.....		\$40,523.32	
Crusher stone.....		32,388.72	
Fuel.....		2,579.64	
Land rent.....		400.00	
Machine maintenance.....		1,340.19	
Stock, labor and teaming, highways account.....		38,395.44	
Stock, highway improvement account.....		330.81	
Miscellaneous charges.....		1.40	
		453.46	
Total.....		\$116,412.98	\$116,412.98
<b>BRIDGES.</b>			
Pay rolls, and superintendence.....	\$6,206.02		
Electric power.....	120.00		
Furnishings and repairs.....	104.20		
Lighting drawbridge.....	67.50		
Lumber.....	478.69		
Repairs, miscellaneous.....	667.16		
Stock, labor and teaming.....	127.86		
Stock, labor and teaming, highways account.....	1,084.08		
Supplies, miscellaneous.....	328.30		
Telephone.....	44.62		
Total.....	\$9,228.43		\$9,228.43
<b>COGGESHALL STREET BRIDGE, REPAIRS.</b>			
Pay rolls, engineering.....	\$264.49		
Contractor, Boston bridge works.....	24,674.93		
Inspection.....	55.50		
Supplies, miscellaneous.....	30.60		
Total.....	\$25,025.52		\$25,025.52
<b>WIDENING PURCHASE STREET.</b>			
Pay rolls, labor and teaming.....		\$271.23	
Curbing.....		2,973.39	
Granolithic.....		313.86	
Miscellaneous charges.....		481.39	
Total.....		\$4,039.87	\$4,039.87
<b>WIDENING UNION STREET.</b>			
Pay rolls, labor.....		\$354.27	
Curbing.....		476.66	
Granolithic.....		198.26	
Stock and labor, other accounts.....		352.67	
Miscellaneous charges.....		219.31	
Total.....		\$1,601.17	\$1,601.17

**PAYMENTS.**

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>LAND DAMAGES.</b>			
Adams street.....		\$500.00	
Bullard street.....		\$257.50	
Cleveland street.....		2,425.00	
Cedar Grove street.....		978.00	
Dewey street.....		75.00	
DeWolf street.....		150.00	
Phillips road.....		1,575.00	
Total.....		\$5,960.50	\$5,960.50
<b>STREET LIGHTING.</b>			
Committee expenses.....	\$263.56		
Electric lighting.....	57,391.23		
Gas lighting.....	42,712.23		
Naphtha lighting.....	4,792.58		
Moving posts and lamps .....	199.79		
Total.....	\$105,359.39		\$105,359.39
<b>HARBOR MASTER.</b>			
Salary of harbor master.....	\$300.00		
Use of boat.....	52.00		
Total.....	\$352.00		\$352.00
<b>BOARD OF SURVEY.</b>			
Advertising, printing and stationery ..	\$ 93.52		
Furniture and supplies.....	31.13		
Total.....	\$124.65		\$124.65
<b>Total, Highways and Bridges .....</b>			<b>\$766,399.72</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Charities.</b>			
POOR DEPARTMENT.			
Salaries, overseers and secretary .....	\$2,734.89		
Salaries, clerks and visitors .....	2,904.71		
Office expenses .....	1,345.15		
Almshouse, salaries and wages .....	13,921.84		
Almshouse, maintenance charges .....	24,924.14		
Outside relief, burials .....	1,881.00		
"    "    cash .....	11,311.15		
"    "    clothing and furnishings .....	681.60		
"    "    homes .....	626.01		
"    "    hospitals .....	5,911.36		
"    "    other towns .....	3,728.81		
"    "    physicians and medicines .....	3,850.73		
"    "    provisions .....	27,216.31		
"    "    state charges .....	1,127.45		
"    "    transportation .....	269.78		
"    "    fuel .....	4,132.95		
<b>Total</b> .....	<b>\$106,567.88</b>		<b>\$106,567.88</b>
ALMSHOUSE ADDITIONS & ALTERATIONS.			
Dormitory .....	\$718.90		
Fences .....	725.00		
Painting .....	410.00		
Pig houses .....		\$1,945.04	
Plumbing .....	158.00		
<b>Total</b> .....	<b>\$2,011.90</b>	<b>\$1,945.04</b>	<b>\$3,956.94</b>
<b>Total, Charities</b> .....			<b>\$110,524.82</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Soldiers Benefits.</b>			
BURIAL OF SOLDIERS.			
Burial agents.....	\$18.00		
Undertakers.....	432.00		
Total.....	\$450.00		\$450.00
MILITARY AID.			
Cash disbursements .....	\$4,205.00		
Total.....	\$4,205.00		\$4,205.00
SOLDIERS RELIEF.			
Salary of agent.....	\$936.00		
Salaries of physicians .....	960.00		
Cash disbursements.....	11,491.00		
Fuel.....	2,055.29		
Medical attendance and supplies.....	569.32		
Nursing.....	48.00		
Office expenses.....	104.29		
Provisions .....	7,582.95		
Telephone and tolls.....	54.53		
Total.....	\$23,801.38		\$23,801.38
STATE AID.			
Cash disbursements.....	\$11,186.00		
Total.....	\$11,186.00		\$11,186.00
<b>Total, Soldiers Benefits.....</b>			<b>\$39,642.38</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Education.</b>			
<b>PUBLIC SCHOOLS, PAY OF TEACHERS.</b>			
Pay rolls, day schools.....	\$339,209.01		
Pay rolls, evening schools .....	9,797.50		
<b>Total.....</b>	<b>\$349,006.51</b>		<b>\$349,006.51</b>
<b>PUBLIC SCHOOLS, INCIDENTALS.</b>			
Salary of superintendent in part.....	\$ 3,846.16		
All other salaries and wages.....	51,157.43		
Boiler insurance.....	682.59		
Books and stationery supplies .....	15,840.86		
Cooking school supplies.....	779.82		
County training school.....	326.90		
Freight and carting.....	349.46		
Fuel.....	20,977.09		
Janitor supplies.....	2,135.67		
Laboratory supplies and equipment .....	317.44		
Lighting and electric power.....	1,717.68		
Manual training school supplies .....	410.45		
New furnishings.....		\$1,334.51	
Printing and advertising.....	1,168.27		
Transportation.....	876.00		
Water service.....	34,444.20		
Miscellaneous supplies and service.....	1,389.79		
<b>Total.....</b>	<b>\$105,419.81</b>	<b>\$1,334.51</b>	<b>\$106,754.32</b>
<b>PUBLIC SCHOOLS, REPAIRS OF BUILDINGS.</b>			
Boiler repairs and supplies.....	\$633.13		
Care of grounds.....	467.05		
Carpentry.....	75.18		
Department mechanics supplies .....	171.74		
Electric repairs and supplies.....	402.96		
Heating and lighting, repairs and supplies.....	824.32		
Mason work.....	551.51		
Metal ceiling .....	267.00		
Moving portable buildings.....	70.03		
Painting and glazing.....	1,822.82		
Plumbing and water fixtures.....	485.94		
Roofing.....	467.73		
Supplies and service, miscellaneous .....	60.06		
<b>Total.....</b>	<b>\$6,303.47</b>		<b>\$6,303.47</b>
<b>PUBLIC SCHOOLS, DOG FUND</b>			
Salary of superintendent, in part.....	\$ 153.84		
Other salaries and wages.....	2,008.10		
Automobile and maintenance.....	176.36		
Books, maps and models.....	161.15		
Flags, poles and repairs.....	311.29		
Music .....	89.72		
		\$550.00	

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
Mileage and car tickets.....	200.00		
Postage and box rent.....	128.48		
School census charges.....	138.05		
Traveling expenses.....	195.54		
Tree planting.....	90.00		
Supplies and service, miscellaneous....	101.23		
Total.....	\$3,753.76	\$550.00	\$4,303.76
PUBLIC SCHOOLS, S. A. HOWLAND FUND.			
Books and periodical.....	\$1,004.30		
Interest charges.....	586.55		
Lectures.....	350.00		
Musical instruments and supplies....	162.68	\$631.00	
Reflectoscopes.....	15.25	509.75	
Total.....	\$2,118.78	\$1,140.75	\$3,259.53
PUBLIC SCHOOLS, BOURNE PRIZE FUND.			
Cash prizes for essays.....	\$60.00		
Total.....	\$60.00		\$60.00
SCHOOLHOUSE, C. 123, 1911.			
General contractor.....		\$32,144.47	
Total.....		\$32,144.47	\$32,144.47
SCHOOLHOUSE, KATHERINE STREET.			
General contractor.....		\$10,161.46	
Total.....		\$10,161.46	\$10,161.46
SCHOOLHOUSE, KATHERINE STREET, EQUIPMENT.			
Furniture and furnishings.....		\$9,530.45	
Total.....		\$9,530.45	\$9,530.45
SCHOOLHOUSE, KATHERINE STREET. GRADING.			
Filling and grading.....		\$3,511.04	
Total.....		\$3,511.04	\$3,511.04
HIGH SCHOOL, FURNISHINGS.			
New furniture and furnishings.....		\$2,167.79	
Total.....		\$2,167.79	\$2,167.79
NEW BEDFORD INDUSTRIAL SCHOOL.			
Pay rolls, salaries and wages.....	\$26,337.75		
Compensation of pupil care takers....	657.85		
Advertising, printing and stationery..	1,034.47		
Chemical and electric supplies.....	1,432.55		

**PAYMENTS.**

<b>OBJECTS OF PAYMENTS</b>	<b>Expenses</b>	<b>Outlays</b>	<b>Total</b>
Equipment, furniture and furnishings.		\$2,314.91	
Express, freight and carting.....	\$140.43		
Fuel.....	884.04		
Grocery supplies.....	442.16		
Hardware, iron and steel.....	1,057.67		
Insurance.....	50.00		
Labor and stock, outside mechanics...	1,223.70		
Lighting.....	483.39		
Lumber.....	1,366.10		
Machine shop supplies.....	992.97		
Miscellaneous supplies and service....	1,311.38		
Rent.....	3,000.00		
Telephone and telegraph charges.....	75.84		
Water service.....	194.00		
<b>Total.....</b>	<b>\$40,684.30</b>	<b>\$2,314.91</b>	<b>\$42,999.21</b>
<b>NEW BEDFORD TEXTILE SCHOOL.</b>			
Trustees, New Bedford textile school.	\$15,000.00		
<b>Total.....</b>	<b>\$15,000.00</b>		<b>\$15,000.00</b>
<b>Total, Education.....</b>			<b>\$585,202.01</b>



## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Libraries.</b>			
FREE PUBLIC LIBRARY.			
Salaries and wages.....	\$22,997.70		
Car tickets.....	66.05		
Carting, freight and express.....	166.03		
Furniture, furnishings and repairs.....	362.74		
Insurance, personal property.....	90.00		
Lighting and heating.....	722.67		
Printing, advertising and stationery.....	673.75		
Supplies, miscellaneous.....	585.37		
Telephones and tolls.....	89.29		
Traveling expenses.....	52.50		
Water rates.....	125.58		
Total.....	\$25,931.68		\$25,931.68
LIBRARY, DOG FUND.			
Salaries and wages.....	\$2,468.29		
Miscellaneous charges.....	267.51		
Total.....	\$2,735.80		\$2,735.80
LIBRARY, G. HOWLAND, JR., FUND.			
Books.....	78.13		
Total.....	\$78.13		\$78.13
LIBRARY, S. A. HOWLAND FUND.			
Books.....	\$632.35		
Interest charges.....	586.56		
Lectures.....	903.05		
Newspapers and periodicals.....	443.02		
Printing and binding.....	321.63		
Total.....	\$2,886.61		\$2,886.61
LIBRARY, C. W. MORGAN FUND.			
Books.....	\$89.31		
Total.....	\$89.31		\$89.31
LIBRARY, G. O. CROCKER FUND.			
Pay rolls, salaries and wages.....	\$1,170.76		
Interest charges.....	145.56		
Total.....	\$1,316.32		\$1,316.32

**PAYMENTS.**

<b>OBJECTS OF PAYMENTS.</b>	<b>Expenses</b>	<b>Outlays</b>	<b>Total</b>
<b>LIBRARY, OLIVER CROCKER FUND.</b>			
Pay rolls, salaries and wages.....	\$158.10		
<b>Total</b> .....	<b>\$158.10</b>		<b>\$158.10</b>
<b>LIBRARY, KEMPTON FUND.</b>			
Art objects.....	\$270.14		
Books, newspapers and periodicals...	8,069.18		
Binding and printing.....	2,738.61		
Research work.....	100.00		
<b>Total</b> .....	<b>\$11,177.93</b>		<b>\$11,177.93</b>
<b>Total, Libraries</b> .....			<b>\$44,373.88</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Recreation.</b>			
<b>PARK COMMISSION.</b>			
Pay rolls, labor and superintendence..	\$25,591.30		
Advertising and printing.....	257.24		
Animal supplies.....	1,426.04		
Athletic fixtures.....	490.97		
Building and fixture repairs.....	2,613.43		
Care-taking and catering.....	180.00		
Carriage hire and car tickets.....	208.25		
Flags, flag-poles and repairs.....	218.08		
Fountains repaired.....	247.92		
Freight and carting.....	116.68		
Fuel.....	304.02		
Hardware and tools.....	467.86		
Land rent for greenhouses.....	240.00		
Lighting.....	490.46		
Loam and filling.....	2,044.87		
Lumber.....	225.10		
Office supplies and furnishings.....	302.15		
Plants and shrubs.....	399.97		
Statue construction expenses.....	42.00	\$1,059.95	
Supplies, miscellaneous.....	240.80		
Teaming.....	2,099.15		
Telephone service.....	172.91		
Water service.....	1,633.97		
<b>Total.....</b>	<b>\$40,013.17</b>	<b>\$1,059.95</b>	<b>\$41,073.12</b>
<b>PARKS, STREETS AND WALKS.</b>			
Pay rolls, labor.....		\$852.24	
Stock and labor, other than city.....		206.73	
<b>Total.....</b>		<b>\$1,058.97</b>	
<b>PARK LAND, RIVET STREET.</b>			
Land for park purposes.....		\$34,569.50	
<b>Total.....</b>		<b>\$34,569.50</b>	<b>\$34,569.50</b>
<b>HATHAWAY PLAYGROUND.</b>			
Fence.....		\$237.00	
Stock and labor.....		83.10	
Tablet.....		40.00	
<b>Total.....</b>		<b>\$360.10</b>	<b>\$360.10</b>
<b>PLAYGROUNDS.</b>			
Pay rolls, attendants.....	\$3,301.50		
Apparatus and fixtures.....	147.92		
Car hire and carting.....	95.63		
Repairs and supplies.....	203.30		
<b>Total.....</b>	<b>\$3,748.35</b>		<b>\$3,748.35</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>BATHING HOUSES.</b>			
Pay rolls, attendants.....	\$976.50		
Land rent, beach.....	400.00		
Laundry.....	391.89		
Stock and labor, fitting.....	291.38		
Supplies, miscellaneous.....	90.11		
<b>Total .....</b>	<b>\$2,149.88</b>		<b>\$2,149.88</b>
<b>Total, Recreation, .....</b>			<b>\$82,959.92</b>

## PAYMENTS

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Unclassified.</b>			
CITY CLOCK.			
Salary of superintendent.....	\$50.00		
Total.....	\$50.00		\$50.00
COMMITTEE ON CLAIMS.			
Payments in settlement of claims for damages.....	\$1,463.00		
Total.....	\$1,463.00		\$1,463.00
COURT JUDGMENTS.			
Executions for land damages.....		\$24,334.68	
Execution for personal damages.....	\$2,900.00		
Total.....	\$2,900.00	\$24,334.68	\$27,234.68
LABOR REGISTRAR, CIVIL SERVICE.			
Compensation of registrar.....	\$662.50		
Printing and stationery.....	25.25		
Total.....	\$687.75		\$687.75
MEMORIAL DAY.			
Advertising and printing.....	123.01		
Carriages, carting and horse hire.....	235.65		
Flowers and flag decorations.....	307.25		
Music.....	355.00		
Miscellaneous charges.....	78.04		
Total.....	\$1,098.95		\$1,098.95
PREMIUMS ON BONDS.			
Legal opinions.....	\$905.35		
Mileage.....	102.50		
Printing.....	82.50		
Total.....	\$1,090.35		\$1,090.35
<b>Total, Unclassified.....</b>			<b>\$31,624.73</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Public Service Enterprises.</b>			
NEW BEDFORD WATER WORKS.			
Salaries, superintendent and office....	\$22,964.07		
Other salaries and wages.....	66,335.59	\$20,608.23	
Bonds paid.....	21,000.00		
Extensions and equipment.....		72,172.46	
Interest.....	75,320.00		
Miscellaneous maintenance.....	9,890.00		
Rebates.....	3,164.22		
Sinking funds.....	27,930.00		
Total.....	\$226,603.88	\$92,780.69	\$319,384.57
NEW BEDFORD WATER WORKS, C. 75, 1912.			
Pay rolls, labor and teaming.....		\$5,200.14	
Road repairs.....		846.37	
Supplies, miscellaneous.....		123.01	
Total.....		\$6,169.52	\$6,169.52
DEPARTMENT OF WHARVES.			
Wages and fees.....	\$751.24		
Bonds paid.....	3,000.00		
Committee expenses.....	44.97		
Furnishings.....	119.18		
Interest on debt.....	2,820.00		
Repairs.....	703.51		
Sinking funds.....	1,061.00		
Supplies.....	54.01		
Water.....	74.50		
Total.....	\$8,628.41		8,628.41
WHARF REPAIRS.			
Repairs to piers.....	\$7,915.80		
Total.....	\$7,915.80		\$7,915.80
WHARVES, CAPE COD CANAL OPENING.			
Advertising and printing.....	\$34.53		
Carriage hire.....	50.00		
Gang planks.....	105.15		
Music.....	47.50		
Total.....	\$237.18		\$237.18
<b>Total, Public Service Enterprises.....</b>			<b>\$342,335.48</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Cemeteries.</b>			
CEMETERY BOARD.			
Pay rolls, labor and teaming.....	\$28,380.66		
Salaries and wages, supervision.....	3,962.50		
Advertising, printing and stationery..	333.75		
Fuel.....	303.46		
Ground keeping supplies.....	1,804.67		
Hardware, tools and fittings.....	494.71		
Horse and motor maintenance.....	461.92	\$585.00	
Local car tickets.....	250.00		
Office expenses.....	251.29		
Rebates.....	10.00		
Road machinery.....	109.35		
Stock and labor, repairs.....	293.96		
Supplies, miscellaneous.....	341.22		
Telephones.....	170.04		
Water supply.....	194.92		
Total.....	\$37,362.45	\$585.00	\$37,947.45
CEMETERIES, SALE OF LOTS.			
Pay rolls, labor.....		\$6,626.04	
Other improvement expenses.....		1,226.53	
Total.....		\$7,852.57	\$7,852.57
LAND, OAK GROVE CEMETERY.			
Additional land.....		\$10,711.05	
Total.....		\$10,711.05	\$10,711.05
<b>Total, Cemeteries.....</b>			<b>\$56,511.07</b>

## PAYMENTS.

OBJECTS OF PAYMENTS	Expenses	Outlays	Total
<b>Administration of Invested Funds.</b>			
SINKING FUND COMMISSIONERS.			
Salary of treasurer.....	\$300.00		
Other expenses .....	122.25		
Total .....	\$422.25		\$422.25
<b>Total, Administration of Invested Funds.....</b>			<b>\$422.25</b>

OBJECTS OF PAYMENTS	Expenses	Indebtedness	Total
<b>Interest.</b>			
Interest on bonded debt.....	\$320,694.64		
Interest on temporary loans.....	40,974.38		
Interest on trust funds expended.....	8,390.10		
Total .....	\$370,059.12		\$370,059.12
<b>Municipal Indebtedness.</b>			
Bonds paid from sinking funds.....		\$32,000.00	
Bonds paid from taxes.....	\$430,397.65		
Bonds paid from premiums.....		5,602.35	
Temporary loans, taxes, 1913.....		140,000.00	
Temporary loans, revenue, 1914.....		1,815,000.00	
Temporary loan, street widenings.....		400,000.00	
Unpaid warrants of prior years.....		666,491.54	
Total .....	\$430,397.65	\$3,059,093.89	\$3,489,491.54
<b>Total, Interest and Indebtedness.....</b>			<b>\$3,859,550.66</b>



## PAYMENTS.

OBJECTS OF PAYMENTS.		Temporary Account	Total
<b>Sinking Funds.</b>			
Appropriation of revenue paid to sinking fund commissioners.....		\$67,702.00	
<b>Total, Sinking Funds.....</b>		<b>\$67,702.00</b>	<b>\$67,702.00</b>
<b>Agency, Trust and Investment.</b>			
AGENCY.			
County taxes.....		\$124,818.69	
State taxes.....		213,220.00	
Non-resident bank taxes.....		47,306.53	
Liquor licenses for State .....		27,695.25	
TRUST.			
Cash discrepancies .....		213.56	
Cemetery perpetual care deposits.....		10,045.00	
Cemetery 6% fund income.....		1,445.41	
Department advances.....		1,753.67	
Highway deposits.....		9,312.30	
Summons fees due collectors.....		1,179.00	
Salary advances.....		18,115.21	
Sewer deposits.....		16,216.52	
Kempton fund income.....		11,495.00	
INVESTMENT.			
Library trust funds.....		66,100.00	
School trust funds.....		51,000.00	
<b>Total, Agency, Trust and Investments</b>		<b>\$599,946.14</b>	<b>\$599,946.14</b>
<b>Cash at the end of the year.....</b>			<b>164,694.87</b>
<b>Total.....</b>			<b>\$7,751,354.61</b>

## SUMMARY.

CLASSIFICATION	Revenue for Expenses	Revenue for Other Purposes	Expenses	Outlays and Other Expenses
Taxes.....	\$2,365,791.69			
Licenses and permits.....	93,636.61			
Fines and forfeits.....	4,922.92			
Grants and gifts.....	21,646.60			
Special assessments.....		\$ 38,702.71		
Privileges.....	13,106.80			
General government.....	5,977.66	923.00	\$ 148,271.50	\$ 7,330.34
Protection of life and prop- erty.....	1,825.89		367,272.89	6,262.29
Health and sanitation.....	27,297.45	2.40	160,014.99	311,312.67
Highways and bridges.....	18,725.05	5,828.77	429,111.92	337,287.80
Charities.....	16,960.47		108,579.78	1,945.04
Soldiers benefits.....	14,750.50		39,642.38	
Education.....	6,600.95		522,346.63	62,855.38
Libraries.....	1,128.39		44,373.88	
Recreation.....	913.49		45,911.40	37,048.52
Unclassified.....			6,290.05	24,334.68
Public service enterprises.....	326,024.34	125.69	243,385.27	98,950.21
Cemeteries.....	16,548.56	6,730.00	37,362.45	19,148.62
Administration of invested funds.....			422.25	
Interest.....	24,424.45		370,059.12	
Municipal indebtedness.....		3,659,683.11	430,397.65	3,059,093.89
Sinking funds.....		32,000.00		67,702.00
Agency, trust and investment		478,197.49		599,946.14
Refunds.....		10,156.06		
Service and other transfers.....		145,917.91		
<b>Totals.....</b>	<b>\$2,960,281.82</b>	<b>\$4,378,267.14</b>	<b>\$2,953,442.16</b>	<b>\$4,633,217.58</b>
Revenue for expenses.....	\$2,960,281.82		Current expenses.....	\$2,953,442.16
Revenue for other purposes....	4,378,267.14		Outlays and other objects.....	4,633,217.58
<b>Total receipts.....</b>	<b>\$7,338,548.96</b>		<b>Total expenditures.....</b>	<b>\$7,586,659.74</b>
Cash at beginning of the year	412,805.65		Cash at end of year.....	164,694.87
	<b>\$7,751,354.61</b>			<b>\$7,751,354.61</b>

## AUDITOR'S REPORT.

BALANCE SHEET OF THE CITY OF NEW BEDFORD  
DECEMBER 5, 1914.

## ASSETS.

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Cash in treasury.....	\$164,694.87
Uncollected taxes.....	254,059.49
Advances for Commonwealth.....	15,194.93
Advances for loans authorized.....	118,646.27
Other accounts receivable.....	2,160.45
Current assets.....	<hr/> \$554,756.01
Kempton fund, cash and investments.....	255,503.93
Sinking funds, cash and investments.....	1,948,894.26
Cemetery fund, cash and investment.....	170,368.39
Library and school funds, investments.....	117,100.00
City property, ledger account.....	12,722,209.16
Construction authorized, not expended.....	76,256.39
Total assets.....	<hr/> <hr/> \$15,845,088.14

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## LIABILITIES.

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Accounts payable.....	\$367,157.34
Balances, municipal utilities accounts.....	5,567.80
Balances, trust fund income accounts.....	7,595.84
Balances, deposit accounts.....	7,138.84
Balances, construction accounts.....	76,355.91
Balances, special accounts.....	52,045.50
Reserves for tax abatements.....	37,565.00
Current liabilities.....	<hr/> \$553,426.23
Kempton fund.....	255,503.93
Cemetery funds.....	170,368.39
Library and school trust funds.....	117,100.00
Trust funds expended on city properties.....	26,734.93
Bonds outstanding.....	9,951,982.05
Loans authorized, not issued.....	326,334.68
Total liabilities.....	<hr/> \$11,401,450.21
Balance, public property account.....	4,443,637.93
	<hr/> <hr/> \$15,845,088.14

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CITY OF NEW BEDFORD,

April 5, 1915.

*To the City Council Committee on Finance:*

Gentlemen:— The sub-committee on the valuation of city property reports herewith a list of city property and its value. The valuation of real estate has been secured from the Board of Assessors, and the valuation of other property has been secured from the officers in charge of the several departments. The entire valuation is believed by your sub-committee to be a fair valuation of the city.

GEORGE D. LACROIX,  
GEORGE T. DUCKWORTH,  
JOSEPH H. FERNANDES,  
Committee.

**SCHEDULE AND VALUATION OF THE CITY PROPERTY,  
JANUARY 1, 1915.**

**BOARD OF ASSESSORS:**

Office fixtures, furniture and furnishings.....	\$7,976.00	\$7,976.00
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**BOARD OF HEALTH:**

Furniture and equipment in office and bacteriological laboratory....	6,705.98	
Disinfecting apparatus.....	175.00	
Furniture bedding, etc., in small pox buildings.....	300.00	
Ambulance and wagon at small pox hospital.....	200.00	
Partial equipment of isolation hospital.....	1,000.00	
Buildings used as small pox hospitals.....	1,000.00	
Isolation hospital buildings.....	41,200.00	
		50,580.98

**CEMETERY BOARD:**

Oak Grove Cemetery.....	61,275.00	
Old Burying Ground, Second st....	10,325.00	
Pine Grove Cemetery.....	41,525.00	
Rural Cemetery.....	207,425.00	
Tools, machinery, wagons and equipment.....	4,230.00	
Office fixtures, furniture and furnishings.....	3,823.00	
		328,603.00

**CITY AUDITOR:**

Office furniture, fixtures and furnishings.....	3,154.33	3,154.33
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**CITY CLERK:**

Office furniture, fixtures and furnishings.....	7,000.00	7,000.00
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**CITY MESSENGER:**

Miscellaneous supplies on hand....	200.00	200.00
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**CITY SOLICITOR:**

Office fixtures, furniture and furnishings.....	843.00	
Law library.....	250.00	
		1,093.00

**CLERK OF COMMITTEES:**

Office fixtures, furniture and furnishings.....	2,600.00	2,600.00
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**CITY TREASURER:**

Office fixtures, furniture and furnishings.....	7,245.00	7,245.00
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**CITY ENGINEER:**

Office fixtures, furniture and furnishings.....	13,638.49	13,638.49
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**ELECTIONS:**

Ballot boxes, and voting paraphernalia .....	\$ 3,000.00	\$3,000.00
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**FIRE DEPARTMENT:**

No. 1 engine house and lot.....	\$14,675.00	
No. 2 engine house and lot.....	42,650.00	
No. 3 engine house and lot.....	23,400.00	
No. 4 engine house and lot.....	16,225.00	
No. 5 engine house and lot.....	33,250.00	
No. 6 engine house and lot .....	12,975.00	
No. 7 engine house and lot.....	17,225.00	
No. 8 engine house and lot.....	30,650.00	
No. 9 engine house and lot.....	2,150.00	
No. 10 engine house and lot....	21,075.00	
No. 11 engine house and lot.....	23,050.00	
Steam fire engine No. 1.....	3,500.00	
Steam fire engine No. 2 .....	3,000.00	
Steam fire engine No. 4 .....	3,000.00	
Steam fire engine No. 5 .....	3,500.00	
Steam fire engine No. 6 .....	3,000.00	
Steam fire engine No. 7 .....	3,500.00	
Steam fire engine No. 8 .....	3,000.00	
Steam fire engine, reserve .....	2,000.00	
One Ahrens Fox auto engine .....	9,000.00	
One Robinson auto engine .....	9,000.00	
One Webb auto engine .....	7,500.00	
One White auto engine .....	6,000.00	
Three Locomobile combination chemicals .....	18,000.00	
One Locomobile repair department car .....	4,500.00	
One Locomobile instruction car...	250.00	
Three hook and ladder trucks....	13,500.00	
One combination hook and ladder truck .....	2,685.00	
One hook and ladder truck (reserve)	100.00	
One combination chemical and hose wagon.....	2,000.00	
Five hose wagons.....	2,000.00	
Eight exercise and coal wagons....	1,200.00	
One fire alarm wagon.....	200.00	
One express wagon (Plainville)...	75.00	
One chief's buggy .....	150.00	
Thirty-four horses and harnesses..	8,500.00	
Hose and connections.....	13,000.00	
Fire alarm telegraph.....	35,000.00	
Sundries, as per inventory .....	5,000.00	
		399,485.00

**FREE PUBLIC LIBRARY:**

Land and building .....	426,400.00	
Books, pictures, etc. ....	125,000.00	
		551,400.00



## INSPECTOR OF WIRES:

Office fixtures, furniture and furnishings.....	\$ 612.50	
Police signal system.....	8,500.00	
		<u>\$9,112.50</u>

## LICENSING BOARD:

Office fixtures, furniture and furnishings.....	1,800.00	1,800.00
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## MAYOR'S OFFICE:

Office fixtures, furniture and furnishings.....	4,916.00	4,916.00
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## NEW BEDFORD INDUSTRIAL SCHOOL:

Office fixtures, furniture and furnishings and machinery .....	35,503.92	35,503.92
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## NEW BEDFORD WATER WORKS:

Estimated value of distribution, including mains, services and meters.....	1,388,900.00	
Further water supply, including lands and improvements, buildings, steel force main and old 36 inch main to City.....	1,225,000.00	
Old supply system, including lands conduit and reservoirs.....	309,500.00	
Other buildings and lands, including old pumping station and land, repair shop buildings, and pipe yards.....	80,579.94	
Tools, stock, machinery and office equipment.....	30,000.00	
		<u>3,033,979.94</u>

## PARK COMMISSIONERS:

Bridge Park.....	25,375.00	
Brooklawn Park.....	311,925.00	
Buttonwood Park.....	177,550.00	
Common .....	96,950.00	
Land at south side of Cove street.	250.00	
Grove Park.....	24,425.00	
Hazelwood Park.....	158,875.00	
Triangle Park.....	1,275.00	
Office furniture and fixtures .....	1,200.00	
Animals.....	2,500.00	
Tools and working implements....	3,500.00	
Swings, park seats, band stands, and amusement fixtures.....	7,500.00	
		<u>811,325.00</u>

## POLICE DEPARTMENT:

Police Station, Blackmer street....	13,850.00
Police Station, So. Second street...	15,025.00
Police stable, So. Second street....	4,250.00
Police Station, Willis street.....	3,175.00

Police Station, Kempton and Cedar streets.....	\$ 22,575.00	
Police Station, Bowditch and Weld streets.....	13,350.00	
Ambulances, horses, wagons, furniture, furnishings and miscellaneous equipment.....	6,160.00	\$78,385 00
<b>POOR DEPARTMENT:</b>		
Almshouse, outbuildings, etc.....	\$ 186,650.00	
Almshouse furniture and dispensary stock.....	4,428.00	
Farming implements.....	522.50	
Harnesses and blankets .....	264.00	
Carriages and sleighs.....	545.00	
Live stock.....	4,191.50	
Produce.....	1,437.50	
Fuel at Almshouse.....	141.42	
Boilers and engines.....	1,350.00	
Laundry equipment.....	725.00	
Supplies at almshouse.....	445.10	
Office furniture and equipment....	1,860.00	202,500.02
<b>PUBLIC BATHS:</b>		
Bathing houses.....	1,700.00	
Miscellaneous equipment.....	600.00	2,300.00
<b>PUBLIC BUILDINGS, LAND AND OTHER PROPERTY:</b>		
Municipal Building, William and Pleasant streets.....	488,750.00	
Land, Pleasant and Elm streets.....	143,000.00	
Land, south side of Cove street...	250.00	
Land, Cove and Shore streets...	400.00	
Shore, west side West French ave..	1,075.00	
Pump house, Cove Road shore....	19,075.00	
Shore, west side West French ave.	7,050.00	
Land Rockdale ave. and Arnold st.	725.00	
Shore, West French avenue.....	325.00	
Land Rockdale ave. and Arnold st.	1,075.00	
Land, south side of Kempton st...	100.00	
Land, south side of Middle street..	50.00	
Land, west side Liberty street...	25.00	
Land, North to Hillman sts.....	3,800.00	
Building, Mill street.....	150.00	
Land, south side of Smith street...	100.00	
Land, south side of Belleville ave..	1,050.00	
Land, east side of Acushnet ave...	50.00	
Pound, Plainville Road.....	75.00	
Rifle range, Tarkiln Hill Road....	1,600.00	
Screen House, West French ave...	78,875.00	
Playground, Union, Tremont and Court streets.....	11,575.00	

Veteran Firemen Building, corner of High and Foster streets....	\$2,700.00	
Wardroom, Rivet and Briggs sts...	1,525.00	
Wardroom, Purchase street .....	1,025.00	
Wardroom, Kempton st. (leased land.....)	800.00	
Buildings and land, Tarkiln Hill rd	8,075.00	
Land, east side of Jenney Street..	150.00	
		<hr/>
		\$773,450.00

## REGISTRARS OF VOTERS:

Office fixtures, furniture and furn- ishings.....	4,000.00	4,000.00
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## SCHOOL DEPARTMENT:

Wm. H. Taylor, Brock ave. ....	91,000.00
George H. Dunbar, Dartmouth & Dunbar streets.....	46,050.00
Katherine street school.....	171,225.00
R. C. Ingraham, Blackmer and Second streets. ....	86,925.00
Isaac W. Benjamin, Division street two portables.....	38,325.00
James B. Congdon, Thompson and Hemlock streets.....	102,975.00
Thomas Donaghy, Acushnet ave and South street.....	79,875.00
Thompson Street school.....	44,475.00
Dartmouth Street school.....	17,375.00
Acushnet avenue school.....	48,975.00
Betsey B. Winslow, Allen streets...	151,750.00
Fifth street school, Pleasant street	36,075.00
Thomas A. Greene, Madison and Purchase streets, one portable.	69,925.00
Harrington, Court and Liberty sts.	57,350.00
Sylvia A. Howland, Pleasant and Kempton streets.....	70,575.00
Middle street school.....	36,800.00
New High School, County and Court streets.....	565,600.00
Committee Rooms, William street.	9,950.00
Thomas R. Rodman, Rockdale avenue and Summit street.....	78,725.00
Cedar street school.....	8,425.00
Mary B. White, Maxfield street..	24,600.00
Old High School, Summer street.	111,675.00
H. A. Kempton, Shawmut avenue	51,975.00
Parker street school.....	80,750.00
Merrimac street school.....	17,800.00
Clark Street school.....	38,250.00
John H. Clifford, Bowditch and Coggeshall streets.....	80,600.00
Cedar Grove Street School.....	36,175.00
H. M. Knowlton/school, County and Coggeshall streets.....	110,000.00
Phillips Avenue school.....	46,550.00

Land, Brook and Glennon streets..	\$ 6,300.00	
Abraham Lincoln, Bowditch st..	135,950.00	
Hathaway road school, .....	1,150.00	
Plainville road school, .....	1,125.00	
Jireh Swift school, Lunds Corner..	84,425.00	
Acushnet avenue, north of Lunds Corner.....	1,600.00	
Various places, ten portable buildings .....	18,000.00	
Furniture and furnishings.....	230,858.04	
		<u>\$2,890,158.04</u>
SEALER OF WEIGHTS AND MEASURES:		
Standard weights and measures and equipment.....	2,500.00	2,500.00
STREETS AND SEWERS:		
City stables and land.....	71,350.00	
Blacksmith shop.....	3,517.15	
Carpenter's shop.....	1,520.52	
Machine shop.....	927.95	
Paint shop.....	189.63	
Forestry department.....	1,493.75	
Air drilling machines.....	2,482.38	
Concrete.....	133.80	
Garage.....	10,917.49	
Sewers and drains .....	9,428.35	
South crusher.....	5,269.55	
North crusher.....	4,929.60	
Centre crusher.....	5,156.86	
Portable crusher.....	2,749.00	
Stable.....	29,465.65	
Stationery engine and boiler.....	3,203.43	
Steam drills.....	2,924.67	
Higways and streets.....	8,989.35	
Road roller.....	10,415.30	
Hoisting engine and pumps.....	2,338.50	
Office fixtures.....	1,250.00	
		<u>178,652.93</u>
STREET LIGHTING DEPARTMENT:		
Lamp posts.....	9,000.00	9,000.00
SUPERINTENDENT OF PUBLIC BUILDINGS:		
Office fixtures, furniture and furn- ishings.....	5,722.13	
		<u>5,722.13</u>
WHARVES:		
Land, foot of Howland st. ....	7,825.00	
Rotch Wharf.....	42,450.00	
Taber's wharf, Front and Union sts.	30,125.00	
Buildings .....	30,000.00	
Foot of Centre st.....	500.00	
Wharf, Centre and Front sts.....	24,525.00	
		<u>135,425.00</u>
<b>Total Valuation.....</b>		<u><b>\$9,554,706.28</b></u>

### RECAPITULATION.

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Board of Assessors.....	\$7,976.00
Board of Health.....	50,580.98
Cemetery Board.....	328,603.00
City Auditor.....	3,154.33
City Clerk.....	7,000.00
City Messenger.....	200.00
City Solicitor.....	1,093.00
Clerk of Committees.....	2,600.00
City Treasurer.....	7,245.00
City Engineer.....	13,638.49
Elections.....	3,000.00
Fire Department.....	399,485.00
Free Public Library.....	551,400.00
Inspector of Wires.....	9,112.50
Licensing Board.....	1,800.00
Mayor's Office.....	4,916.00
New Bedford Industrial School.....	35,503.92
New Bedford Water Works.....	3,033,979.94
Park Commissioners.....	811,325.00
Police Department.....	78,385.00
Poor Department.....	202,500.02
Public Baths.....	2,300.00
Public Buildings, Land and Other Property.....	773,450.00
Registrars of Voters.....	4,000.00
School Department.....	2,890,158.04
Sealer of Weights and Measures.....	2,500.00
Streets and Sewers.....	178,652.93
Street Lighting Department.....	9,000.00
Superintendent of Public Buildings.....	5,722.13
Wharves.....	135,425.00
Total valuation.....	<u>\$9,554,706.28</u>

CITY OF NEW BEDFORD,  
OFFICE OF THE CITY AUDITOR.  
March 4, 1915.

*The Honorable City Council:*

I respectfully report that I have examined the report and investments of the trustees of the Kempton fund and find the same correct. Said investments are represented by securities having a face value of two hundred and fifty-seven thousand dollars, and a savings bank deposit amounting to one thousand dollars and sixty-three cents.

I have also examined the report and investments of said trustees of the Sylvia Ann Howland Educational and Library Fund, of the George O. Crocker Library Fund, the Charles L. Wood Library Fund, the Oliver Crocker Library Fund, the George Howland, Jr., Library Fund, the Charles W. Morgan Library Fund, the James B. Congdon Library Fund and the Jonathan Bourne Prize Fund, and find the same correct. Said investments are represented by securities and deposits of a par value of one hundred eighteen thousand four hundred fifty-four dollars and forty-five cents.

CHARLES J. MCGURK,  
City Auditor.

## CERTIFICATES.

We have examined the foregoing report and statements of the City Auditor and believe the same to be correct.

EDWARD L. CRONIN,  
MURRAY F. BARROWS,  
FREDERICK J. J. ABRAMS.

Sub-committee of the joint standing committee on finance, appointed to examine the books and accounts of the City Treasurer and the City Auditor.

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The foregoing report and statements of the City Auditor are approved.

MORTIMER McCARTY, Chairman.  
SAMUEL A. GOODFELLOW,  
CHESTER W. CHASE,  
MURRAY F. BARROWS,  
JOHN McCULLOUGH, 3rd,  
Committee on Audit.

**ANNUAL REPORT**

**OF THE**

**CITY TREASURER**

**FOR THE**

**Fiscal Year Ending December 5**

**1914**



**NEW BEDFORD, MASS.**

**MERCURY PUBLISHING CO., PRINTERS**

**112 AND 114 UNION STREET.**



**CITY OF NEW BEDFORD.**

**IN BOARD OF ALDERMEN.**

**February 11, 1915.**

**Received. Ordered printed in the City Documents  
and sent down for concurrence.**

**W. H. B. REMINGTON,  
City Clerk.**

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**IN COMMON COUNCIL,**

**February 11, 1915.**

**Concurred.**

**CHARLES P. SAWYER,  
Clerk.**

Office of the City Treasurer,  
New Bedford, January 1, 1915.

*To the City Council of the City of New Bedford.*

Gentlemen:—Submitted herewith find the annual report of this department for the year ending December 5, 1914, as required by the ordinances.

Respectfully submitted,

WILLIAM S. COOK,  
City Treasurer.

**STATEMENT OF CASH RECEIPTS AND CASH PAYMENTS  
FOR THE FISCAL YEAR 1914.**

**SUMMARY.**

Cash receipts from revenue sources,	\$3,040,090.29
Cash receipts from Sinking Funds,	32,000.00
Cash receipts from special funds and accounts,	463,032.50
Cash receipts from tax loans,	1,955,000.00
Cash receipts from other loans,	340,000.00
Cash receipts from bonds,	1,120,982.05
	<hr/>
Total cash receipts,	\$6,951,104.84
Cash balance Nov. 29, 1913,	412,805.65
	<hr/>
	<b>\$7,363,910.49</b>
	<hr/>
Cash payments for revenue purposes,	\$2,700,456.55
Cash payments for special funds and accounts,	1,529,632.94
Cash payments for tax loans,	1,955,000.00
Cash payments for other loans,	400,000.00
Cash payments for bonds,	617,000.00
	<hr/>
Total cash payments,	\$7,202,089.49
Cash balance Dec. 5, 1914,	161,821.00
	<hr/>
	<b>7,363,910.49</b>
	<hr/>

## CASH RECEIPTS IN DETAIL.

## From Revenue Sources:

Taxes,	\$2,575,158.15	
Premiums on bonds,	16,543.72	
Miscellaneous,	448,388.42	
		<b>\$3,040,090.29</b>

## From Special Funds and Accounts:

Water Works,	\$317,595.43	
Water Works, Chap. 75 of 1912,	125.69	
Wharves,	8,428.91	
Cemeteries, sale of lots,	6,730.00	
Cemeteries, Perpetual Care deposits,	10,045.00	
Sewer deposits,	14,998.52	
Highway deposits,	8,408.23	
Sewer construction, Chap. 184 of 1907, assessments,	2,669.47	
Sewage disposal, Chap. 474 of 1910,	2.40	
Sewer construction, Chap. 131 of 1911, assessments,	13,943.47	
Sewer construction, Chap. 76 of 1912, assessments,	6,662.50	
Sewer construction, Chap. 183 of 1913, assessments,	13,208.91	
Sewer loan of 1914, assessments,	2,218.36	
Library, Dog fund,	2,494.43	
Schools, Dog fund,	2,528.88	
Library Trust funds, Income account,	1,333.77	
School Trust funds, Income account,	1,031.77	
State aid,	11,490.00	
Military aid,	2,307.50	
Burial of soldiers,	957.00	
Sales of City property,	923.00	
Highways, macadam,	29.82	
Highways, permanent improvements (receipts other than bonds),	5,828.77	
Trust account, licenses due State,	27,695.25	
Trust account, summonses due Collectors,	1,181.00	
Short and over,	194.42	
		<b>\$463,032.50</b>

## From Loans:

In anticipation of taxes, 1913,	\$140,000.00
In anticipation of revenue, 1914,	1,815,000.00
In anticipation of bonds—	
Purchase Street widening,	200,000.00
Sewage disposal, Chap. 474 of 1910,	100,000.00

## TREASURER'S REPORT

Highway permanent improvement loan, No. 3, of 1914,	20,000.00	
Highway extension loan, No. 1, of 1914,	20,000.00	
	<hr/>	\$2,295,000.00
<b>From Sinking Funds:</b>		
To pay maturing bonds,	\$32,000.00	
	<hr/>	\$32,000.00
<b>From Bonds:</b>		
Municipal Loan No. 3 of 1913,	\$20,000.00	
Municipal Loan No. 6 of 1913,	80,000.00	
Purchase St. Widening, Chap. 589 of 1913,	396,000.00	
Union St. Widening, Chap. 609 of 1913,	128,000.00	
Trust Fund Loan of 1914, Chap. 634 of 1913,	117,100.00	
Highway Permanent Improvement Loan No. 1 of 1914,	125,000.00	
Macadam Loan No. 1 of 1914,	50,000.00	
Macadam Loan No. 2 of 1914,	50,000.00	
Sewer Loan No. 1 of 1914,	50,000.00	
Katherine St. School Equipment Loan,	10,000.00	
Sewage Disposal, Chap. 474 of 1910,	50,000.00	
Park Loan of 1914,	34,171.00	
Cemetery Loan of 1914,	10,711.05	
	<hr/>	\$1,120,982.05
Total cash receipts,		<hr/> \$6,951,104.84

## CASH PAYMENTS IN DETAIL.

<b>For Revenue Purposes:</b>		
Sundry departments, audits, pay-rolls and advances,	\$2,699,230.20	
Premiums on bonds,	1,226.35	
	<hr/>	\$2,700,456.55
<b>For Special Funds and Accounts:</b>		
Water Works (not including bonds),	\$290,750.04	
Water Works, Chap. 202 of 1909,	.50	
Water Works, Chap. 75 of 1912,	5,639.72	
Wharves (not including bonds),	5,317.43	
Repairs of Wharves,	7,915.80	
Cemeteries, sale of lots,	7,852.57	
Cemeteries, Perpetual Care deposits,	10,045.00	
Sewer deposits rebated,	16,431.52	

# TREASURER'S REPORT

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Highway deposits, rebated,	9,127.30
Sewer construction, Chap. 184 of 1907,	2,487.54
Sewage disposal, Chap. 474 of 1910,	218,335.12
Sewer construction, Chap. 131 of 1911,	6,059.15
Sewer construction, Chap. 76 of 1912,	1,394.37
Sewer construction, Chap. 183 of 1913,	5,645.37
Sewer loan No. 1 of 1914,	30,526.40
Highways, macadam,	68,661.66
Highways, permanent im- provements,	129,170.10
Land damages, layout of Adams St.,	500.00
Land damages, layout of Bullock St.,	257.50
Land damages, layout of Cleveland St.,	1,025.00
Pleasant St. widening,	15,370.00
Purchase St. widening,	299,689.86
Sixth St. widening,	19,953.35
Union St. widening,	22,096.95
Coggeshall St. bridge repairs, etc.,	25,058.88
Land, Oak Grove Cemetery,	10,711.05
Park land, 1914,	34,569.50
School purposes, Chap. 123 of 1911,	39,318.47
New High School,	4,219.72
High School furnishings,	2,384.90
Katherine St. School, construction,	10,161.46
Katherine St. School, original equipment,	9,492.05
Katherine St. School, grading,	5,000.00
Hathaway playgrounds,	606.10
Municipal Building,	5,690.00
Municipal Building, alterations,	733.55
City Clerk's vault,	850.00
Almshouse alterations and repairs,	3,811.94
Police signal system,	2,415.39
State Aid,	12,093.00
Military Aid,	2,258.50
Burial of Soldiers,	500.00
Trust Account, summonses due collectors,	1,179.00
Trust Account, licenses due state,	27,695.25
Library, Dog Fund,	4,343.73
Library, Kempton Fund,	10,916.12
Library, other Trust Funds,	3,542.66
Schools, Dog Fund,	3,463.73
Schools, Trust Funds,	3,474.32
Investment of Library and School Trust Funds,	117,100.00

## TREASURER'S REPORT

Bathing Houses, special account,	8.15	
City Council, special account,	24.99	
Health, special account,	5,951.63	
Highways, special account,	6,697.55	
Parks, special account,	895.49	
Short and Over,	213.56	
	<hr/>	\$1,529,632.94

## For Loans:

Account of Taxes, 1913,	\$140,000.00	
Account of Revenue, 1914,	1,815,000.00	
Account of Bonds, Purchase		
St. widening,	300,000.00	
Account of Bonds, Union St.		
widening,	100,000.00	
	<hr/>	\$2,355,000.00

## For Bonds:

Wharves, Chap. 110 of 1911,	\$3,000.00
Water, Chap. 202 of 1909,	10,000.00
Water, Chap. 65 of 1911,	5,000.00
Water, Chap. 75 of 1912,	6,000.00
Improvement (due in 1913)	
Sinking Funds,	120,000.00
Schools, Chap. 298 of 1904	
(due in 1913),	2,000.00
Sewers, Chap. 474 of 1910	
(due in 1913),	4,000.00
Sewers, (Sinking Funds),	32,000.00
Bridge, Chap. 549 of 1910,	2,000.00
Bridge, Chap. 385 of 1913,	5,000.00
High School, Chap. 385 of 1903,	23,000.00
Library, Chap. 353 of 1907,	14,000.00
Municipal Building, Chap. 352	
of 1907,	20,000.00
Purchase St. Widening, Chap.	
589 of 1913,	20,000.00
Union Street Widening, Chap.	
609 of 1913,	7,000.00
Schools, Chap. 298 of 1904,	10,000.00
Schools, Chap. 185 of 1907,	15,000.00
Schools, Chap. 144 of 1909,	10,000.00
Schools, Chap. 233 of 1910,	7,000.00
Schools, Chap. 123 of 1911,	9,000.00
Sewers, Chap. 184 of 1907,	9,000.00
Sewers, Chap. 474 of 1910,	28,000.00
Sewers, Chap. 131 of 1911,	5,000.00
Sewers, Chap. 76 of 1912,	5,000.00
Sewers, Chap. 183 of 1913,	4,000.00
Highway Loan of 1908,	1,000.00
Highway Loan of 1911,	1,000.00
Municipal Loan No. 1 of 1907,	23,000.00
Municipal Loan No. 1 of 1908,	18,000.00
Municipal Loan No. 2 of 1908,	1,000.00
Municipal Loan No. 1 of 1909,	26,000.00

**TREASURER'S REPORT****9**

Municipal Loan No. 2 of 1909,	1,000.00
Municipal Loan No. 1 of 1910,	22,000.00
Municipal Loan No. 2 of 1910,	4,000.00
Municipal Loan No. 1 of 1911,	15,000.00
Municipal Loan No. 2 of 1911,	4,000.00
Municipal Loan No. 3 of 1911,	2,000.00
Municipal Loan No. 4 of 1911,	9,000.00
Municipal Loan No. 5 of 1911,	2,000.00
Municipal Loan No. 6 of 1911,	2,000.00
Municipal Loan No. 7 of 1911,	3,000.00
Municipal Loan No. 8 of 1911,	5,000.00
Municipal Loan No. 1 of 1912,	15,000.00
Municipal Loan No. 2 of 1912,	14,000.00
Municipal Loan No. 3 of 1912,	1,000.00
Municipal Loan No. 4 of 1912,	2,000.00
Municipal Loan No. 5 of 1912,	3,000.00
Municipal Loan No. 6 of 1912,	5,000.00
Municipal Loan No. 7 of 1912,	5,000.00
Municipal Loan No. 1 of 1913,	25,000.00
Municipal Loan No. 2 of 1913,	8,000.00
Municipal Loan No. 3 of 1913,	2,000.00
Municipal Loan No. 4 of 1913,	12,000.00
Municipal Loan No. 5 of 1913,	3,000.00
Municipal Loan No. 6 of 1913,	8,000.00
	<hr/>
	<b>\$617,000.00</b>
<b>Total Cash Payments,</b>	<b>\$7,202.089.49</b>

We have examined the foregoing and believe the same to be correct.

**EDWARD L. CRONIN,  
MURRAY F. BARROWS,  
FREDERICK J. J. ABRAMS.**

Sub-committee of the Joint Standing Committee on Finance,  
appointed to examine the books and accounts of the City  
Treasurer and City Auditor.



The following table, compiled from previous reports, compares the Assessors' valuation of real and personal property, the tax rate, inventory of city property, funded water debt, funded debt other than water, and sinking funds, from the year 1901 to the year 1914, inclusive:

Year	Assessors' Net Valuation Real & Personal	Tax Rate	Inventory Of City Property	Funded Water Debt	Other Funded Debt	Sinking Funds
1901	\$62,401,390	\$17.40	\$4,887,803	\$1,628,000	\$2,078,000	\$923,838
1902	61,964,450	17.40	4,954,634	1,598,000	2,311,000	1,044,399
1903	62,246,300	18.00	5,065,011	1,568,000	2,369,000	1,073,379
1904	62,865,476	19.20	5,228,788	1,538,000	2,570,000	1,184,665
1905	63,951,461	19.40	5,440,536	1,508,000	2,884,000	1,352,077
1906	65,550,381	18.40	5,576,817	1,478,000	2,844,000	1,495,459
1907	70,719,086	17.60	5,586,995	1,448,000	4,129,000	1,547,871
1908	75,505,198	19.00	5,777,292	1,418,000	4,498,000	1,661,725
1909	77,464,331	19.00	6,289,217	1,388,000	4,721,581	1,711,226
1910	83,426,001	19.00	8,453,894	1,638,000	5,494,938	1,873,676
1911	95,511,184	18.40	9,512,735	1,778,000	6,313,752	2,035,119
1912	101,354,409	19.30	10,707,053	1,923,000	7,042,077	1,964,632
1913	104,491,928	20.20	11,930,480	1,902,000	7,420,000	1,809,453
1914	107,829,482	23.20	12,722,208	1,881,000	8,180,316	1,948,894

#### COMPARATIVE TABLE OF DIVISION OF TAX RATE.

	1908	1909	1910	1911	1912	1913	1914
Rate per \$1,000 valuation..	\$19.00	\$19.00	\$19.00	\$18.40	\$19.30	\$20.20	\$23.20
Divided as follows:							
State Tax,	\$1.43	\$1.10	\$1.41	\$1.24	\$1.33	\$1.81	\$1.92
Grade Crossings,	.14	.26	.23	.20	.18	.09	.01
County Tax,	1.26	1.21	1.30	1.15	1.10	1.15	1.13
City Purposes,	10.86	11.28	10.50	10.15	10.97	10.44	11.94
City Debt,	4.95	4.95	5.27	5.35	5.52	6.49	8.09
Armory,	.02						
Overlay,	.34	.20	.29	.31	.20	.22	.11
	\$19.00	\$19.00	\$19.00	\$18.40	\$19.30	\$20.20	\$23.20



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# REPORT OF THE TREASURER OF THE CITY TRUST FUNDS.

Office of the Treasurer,  
January 1, 1915.

To the City Council of the City of New Bedford:

Gentlemen:—As Treasurer ex-officio of the trust funds belonging to the City, I submit the following statement, in tabular form, showing the investment and annual income of each, together with the amount of the Cemetery Perpetual Care Funds, viz:

Title and Amount of Fund	Investments			Annual Income
	Miscellaneous Bonds	Savings Bank Deposits		
The Kempton Fund, the Gift of Sarah E. Potter.....	\$250,000.00	\$1,000.63	\$10,770.00	
Sylvia Ann Howland Educational and Library Fund.....	100,000.00	354.45	4,054.16	
James B. Congdon Library Fund.....	500.00	500.00	20.00	
George O. Crocker Library Fund.....	10,000.00		400.00	
Oliver Crocker Library Fund.....	1,000.00	1,000.00	40.00	
George Howland, Jr. Library Fund.....	1,600.00	1,600.00	64.00	
Charles W. Morgan Library Fund.....	1,000.00	1,000.00	40.00	
Charles L. Wood Library Fund.....	2,000.00	2,000.00	80.00	
Jonathan Bourne School Fund.....	1,000.00	1,000.00	*40.00	
	<u>\$367,100.00</u>	<u>\$368,000.00</u>	<u>\$8,455.08</u>	<u>\$15,508.16</u>

\*\$20.00 additional from taxes each year.

## CEMETERY PERPETUAL CARE FUNDS.

Deposited in Savings Banks.....	\$157,764.48
Invested in City Properties.....	26,734.93

\$184,498.38

Respectfully submitted,

WM. S. COOK,  
City Treasurer.

ANNUAL REPORT  
OF THE  
COLLECTOR OF TAXES.

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January 1, 1915.

*To the City Council of the City of New Bedford.*

Gentlemen:—In compliance with the ordinance requiring that the annual report of the Collector of Taxes shall be made to the City Council annually in January, I submit herewith detailed statements of all collections made during the fiscal year ending December 5, 1914, together with a statement of taxes remaining unpaid.

Respectfully submitted,

WILLIAM S. COOK,  
Collector of Taxes.

## STATEMENT OF SEWER ASSESSMENTS.

Name of Sewer.	Debits.	Credits.	Uncollected Dec. 5, 1914.
Acushnet Av. and Wood St.	\$1,315.59	\$1,315.59	
Ashland St. (Sawyer St. northerly)	116.55	116.55	
Bolton and Jenkins Sts.	77.62	77.62	
Hatch St. (west of Belleville Av. to Acushnet Av.)	2,255.73	2,255.73	
Hunter St. (south of Hillman St. to Hillman St.)	129.13	129.13	
Jenny Lind St. (Lexington St. to Fairmount St.)	34.29	34.29	
Plymouth St. (east of Brownell St. to Palmer St.)	94.07	94.07	
Stackhouse St. (Rockdale Av. to Matthew St.)	240.08	240.08	
Stephen St. (Rockdale Av. to Matthew St.)	373.33	373.33	
Tarkiln Hill Rd. (Acush. Av. to Pine Grove St.)	1,970.75	1,970.75	
Capitol and Apponagansett Sts.	951.78	951.78	
Rockdale Av. (Hemlock St. to Stackhouse St.)	775.71	598.33	\$177.38
Adams St. (Mt. Pleasant St. to Highland St.)	292.48	292.48	
Bedford St. (Brownell St. to Brigham St.)	53.77	53.77	
Bolton and Winsper Sts.	30.80	30.80	
Edison St. (Nash Rd. to Belleville Rd.)	102.04	102.04	
Emery St. (Brock Av. westerly)	96.45	96.45	
Myrtle St. (Penniman St. northerly)	52.89	52.89	
Central Av. (Bowditch St. westerly)	255.26	255.26	
Milford St. (Irvington St. northerly)	192.96	192.96	
Tarkiln Hill Rd. (Pine Grove St. to Lowell St.)	386.66	386.66	
Bowditch and Irvington Sts.	294.88	294.88	
Ellen St. (Cleveland St. westerly)	196.50	196.50	
Scott St.	159.43	159.43	
Shaw St. (Bowditch St. westerly)	182.48	182.48	
Conduit St. and Central Av.	108.69	108.69	
Hadley, Kearsarge and Ingraham Sts.	865.96	865.96	
Morgan St. (east of Cottage St. to Cedar St.)	78.50	78.50	
Rivet and First Sts.	190.39	190.39	
Washburn St. (across Acushnet Av.)	52.88	52.88	
Armour St. (Arnold St. northerly)	357.68	181.12	176.56
Beech St. (Maxfield St. southerly and northerly)	116.58	46.51	70.07
Brownell St. (Arnold St. northerly)	465.66	191.01	274.65
Clifford St. (Bowditch St. westerly)	331.01	331.01	
Glover St. (Austin St. northerly)	101.82	101.82	
Oaklawn St. (West French Av. Easterly)	1,747.06	619.73	1,127.33
Rockdale Av. and Hillman St.	2,305.10	1,576.46	728.64
Yates St. (Tarkiln Hill Rd. northerly)	162.32		162.32
Brook and Glennon Sts.	967.50	645.48	322.02
Bank St.	808.50	578.11	230.39
Brock Av. and Aquidneck St.	1,447.56	1,148.26	299.30
Calumet St. (Brock Av. to West French Av.)	1,000.08	111.60	888.48
Chancery St. (Tilton St. to Robeson St.)	289.91	165.67	124.24
Jenney St. (North St. to Hillman St.)	59.06	59.06	
Kempton St. (present terminus to Jenny Lind St.)	783.00	648.88	134.12
Maple St. (Reed St. to Brownell St.)	969.65	969.65	
Matthew St. (Dartmouth St. westerly)	921.65	921.65	
North St. (Liberty St. to James St.)	182.04		182.04
Sowle St. (Brooklawn Park to Wood St.)	185.14	95.48	89.66
Whitman St. (Acushnet Av. westerly)	512.71	512.71	
Wood St. (present terminus to Moynan St.)	486.82	486.82	

Aquidneck St. (present terminus easterly)	401.56	108.49	293.07
Brownell St. (Hawthorn St. to Maple St.)	245.59	245.59	
Cedar Grove St. (Myrtle St. to Summer St.)	383.10	223.42	159.68
DeWolf St. (Mt. Vernon St. to Potter St.)	183.23	158.37	24.86
Potter St. (Bullock St. to Shawmut Av.)	639.89	280.80	359.09
Rounds St. (Court St. to Elm St.)	312.26	312.26	
Allen St. (west of Brownell St. to west of Rockdale Av.)	4,238.01	2,830.56	1,407.45
Parker, Caroline and Durfee Sts.	6,222.00	3,006.09	3,215.91
Richmond, Roswell and Bullock Sts.	2,801.85	2,754.19	47.66
Rockdale Av. (Stackhouse St. to north of Winterville Rd.)	4,496.00	3,443.76	1,052.24
Winterville Rd. (Rockdale Av. westerly)	710.85	349.94	360.91
Armour St. (present terminus northerly)	477.37	202.08	275.29
Brigham St. (Allen St. to Bedford St.)	145.36	145.36	
Carroll St. (Palmer St. to east of Brownell St.)	489.40	358.71	130.69
Whitman St. (Bowditch St. to Brook St.)	700.98	568.63	132.35
Acorn St. (Durfee St. southerly)	186.94	71.91	115.03
Carroll St. (Brigham St. westerly)	273.35	125.12	148.23
Church St. (south of Central Av.)	310.72	39.77	270.95
Eugenia St. (Brook St. to west of Bowditch St.)	406.38	406.38	
Luke St. (Rockdale Av. westerly)	794.53	749.73	44.80
Milford St. (south of Carlisle St.)	324.19	218.36	105.83
Mill St. (Lindsey St. to west of Jenney St.)	423.61	366.05	57.56
Princeton St. (Bowditch St. westerly)	424.07	380.79	43.28
Query St. (Bowditch St. westerly)	412.13	49.69	362.44
Sycamore St. (Park St. westerly)	200.73	34.41	166.32
Wood St. (Moynan St. to Bowditch St.)	898.41		898.41
Harvard St. (Malden St. to Topham St.)	3,068.00		3,068.00
Hemlock St. (Rockland St. northerly)	159.11	159.11	
Middle St. (Newton St. to Florence St.)	313.23	122.97	190.26
Topham St. (Harvard St. to Shawmut Av.)	862.65	56.73	805.92
Topham St. (Harvard St. to Highland St.)	722.90	186.77	536.13
<b>Totals,</b>	<b>\$58,356.90</b>	<b>*\$39,097.34</b>	<b>\$19,259.56</b>

\*Credits consist of Cash .....\$38,702.71  
 Abatements ..... 62.00  
 Assessments against city property .. 332.65

# STATEMENT OF TAX COLLECTIONS.

DR.	1914	1913	1912	1911
Uncollected balances, November 30, 1913.				
Assessors' Warrants in detail, 1914:		\$194,055.23	\$9,680.22	\$11,087.39
State Tax,	\$212,100.00			
Grade Crossing Tax,	1,120.00			
County Tax,	124,818.69			
City Tax, Department Appropriations,	1,320,935.00			
City Tax, Debt Appropriations,	894,366.87			
Overlay,	12,675.23			
Non-resident Bank Tax,	46,164.93			
Excise Taxes, Vessels in Foreign Trade,	10.00			
Excise Taxes, Street Railways,	13,106.80			
Additional Warrants and Re-assessments,	810.87	8,075.96		
Total Debits,	\$2,626,108.39	\$202,131.19	\$9,680.22	\$11,087.39
CR.				
Collections—Real Estate,				
Personal,	\$1,372,791.51	\$138,549.44	\$40.53	\$101.20
Polls,	888,010.47	33,146.59	105.88	
Resident Bank Tax,	33,644.00	15,860.00	88.00	30.00
Non-resident Bank Tax,	36,380.67			
Excise Taxes, Vessels in Foreign Trade,	46,164.93			
Excise Taxes, Street Railways,	10.00			
Abatements—Real Estate,	*\$13,106.80			
Personal,	4,824.73	1,040.46		
Polls,	4,275.18	1,181.74		
	160.00	1,288.00	26.00	10,962.00
Total Credits,	\$2,399,368.29	\$191,066.23	\$260.41	\$11,093.20
Balances uncollected December 5, 1914,				
Abatements issued by Assessors, but not presented,	\$226,740.10	11,064.96	9,419.81	**
Percentages collected from dates of assessment to December 5, 1914,	1,022.66	.50	4.89	
	91.36 %	99.50 %	99.55 %	

\*Of this amount, \$2,873.87 was collected after the close of the fiscal year.

\*\*Excess of collections over warrants=\$5.81.

Note.—In additions to the above, there was collected during the year the sum of \$2.00 of 1910 taxes.



**PERCENTAGES OF COLLECTIONS OF WARRANTS FOR 1914 TAXES.**

	Assessments.	Collected and Abated.	Uncollected.	Per Cent Collected.
Real Estate,	\$1,560,220.88	\$1,377,616.24	\$182,604.64	88.29 %
Personal estate,	910,115.11	892,285.65	17,829.46	98.04 %
Polls,	60,110.00	33,804.00	26,306.00	56.24 %
Totals,	\$2,530,445.99	\$2,303,705.89	\$226,740.10	91.36 %

**NATIONAL BANK TAXES IN DETAIL.**

Name of Bank.	Due City.	Due State.	Totals.
First National,	\$13,410.60	\$16,981.40	\$30,392.00
Mechanics National,	8,964.48	10,245.12	19,209.60
Merchants National,	14,005.59	18,938.41	32,944.00
Totals, as figured by Assessors,	\$36,380.67	\$46,164.93	\$82,545.60
Added by Tax Commissioner,		1,141.60	
Deduction from City,	1,141.60		
Revised Totals,	\$35,239.07	\$47,306.53	\$82,545.60

**STREET RAILWAY EXCISE TAXES IN DETAIL.**

Bay State Street Railway Co.,	\$2,873.87
Union Street Railway Co.,	10,232.93
Total,	\$13,106.80

We have examined the foregoing and believe the same to be correct:

EDWARD L. CRONIN,  
MURRAY F. BARROWS,  
FREDERICK J. J. ABRAMS.

Sub-Committee of the Joint Standing Committee on Finance, appointed  
to examine the books and accounts of the City Treasurer, Collector  
of Taxes, and City Auditor

# REPORT OF THE Treasurer of the Sinking Funds.

---

City of New Bedford, Mass.  
January 1, 1915.

*To the Commissioners of the Sinking Funds of the  
City of New Bedford.*

Gentlemen:—Herewith find a statement of my accounts  
as Treasurer of the Sinking Funds for the year 1914, to-  
gether with a list of the securities in the fund.

## DR.

Par value of Sinking Fund Investments, close of 1913,	\$1,809,453.51
City of New Bedford from Taxation,	67,702.00
Water Revenue,	27,930.00
Wharf Revenue,	1,061.00
Premium Account,	379.60
Interest Account,	76,075.17
	<hr/>
	\$1,982,601.28

## CR.

Accrued interest on securities purchased,	\$1,624.70
Premium on securities purchased,	82.32
Sinking Fund No. 21, matured April 1, 1914,	32,000.00
Par value of Sinking Fund Investments, close of 1914,	1,948,894.26
	<hr/>
	\$1,982,601.28

## INVESTMENT OF NEW BEDFORD SINKING FUNDS.

1914.

1915	Feb.	1	West End St. Ry.,	4 %	\$3,000.00	
	May	1	Malden,	5	1,000.00	
	May	1	San Francisco,	5	5,000.00	
	June	1	Taunton,	4	1,000.00	
	June	1	Taunton,	4 ½	2,000.00	
	July	1	Aroostook Co.,	4 ½	5,000.00	
	July	1	Malden,	5	4,000.00	
	July	1	New Bedford,	4	45,000.00	
	July	1	New Bedford, notes,	..	140,000.00	
	Sept.	1	Attleboro,	4	5,000.00	
	Oct.	1	New Bedford,	4	6,000.00	
	Oct.	1	Revere,	4	500.00	
	Dec.	1	Dighton, Somerset & Swansea St. Ry.,	5	20,000.00	
	Dec.	1	Taunton,	4	12,000.00	
						\$249,500.00
1916	Jan.	1	Malden,	4	\$10,000.00	
	Mar.	1	Fall River,	4	5,000.00	
	May	1	Quincy,	4	1,000.00	
	July	1	New Bedford,	4	5,000.00	
	Aug.	1	Fall River,	4	19,000.00	
	Oct.	1	Frammingham,	4	5,000.00	
	Oct.	1	New Bedford,	4	9,000.00	
						\$54,000.00
1917	Jan.	1	Chicago,	4	\$25,000.00	
	Feb.	1	New Bedford,	4	21,000.00	
	Feb.	1	West End St. Ry.,	4	16,000.00	
	Mar.	1	New Bedford,	4	38,000.00	
	Apr.	1	Minneapolis,	4	32,000.00	
	Apr.	1	Waltham,	4	6,000.00	
	May	1	Quincy,	4	3,000.00	
	June	1	Northwestern Union,	7	6,000.00	
	July	1	Milwaukee,	4	5,000.00	
	July	1	New Bedford,	4	5,000.00	
	Oct.	1	Boston,	4	3,000.00	
						\$160,000.00
1918	Feb.	1	New Bedford,	3 ½	\$4,000.00	
	May	1	Quincy,	4	3,000.00	
	July	1	Burlington & Mo. River,	6	2,000.00	
	July	1	New Bedford,	4	5,000.00	
	Aug.	1	Medford,	4	30,000.00	
	Aug.	1	New Britain,	4	25,000.00	
	Oct.	1	Clinton,	3 ½	1,000.00	
	Oct.	1	Wakefield,	4	9,000.00	
						\$79,000.00
1919	Feb.	1	New Bedford,	3 ½	\$7,000.00	
	May	1	Quincy,	4	3,000.00	
	July	1	Boston,	3 ½	10,000.00	
	Oct.	1	Clinton,	3 ½	2,000.00	
	Oct.	1	C., B. & Q.,	4	6,000.00	
	Dec.	1	Saginaw,	4	10,000.00	
						\$38,000.00

## SINKING FUNDS

19

1920	May	1	Quincy,	4	\$3,000.00	
	June	1	New Bedford,	3 ½	56,000.00	
	July	1	Syracuse,	3 ½	5,000.00	
	Dec.	1	Citizens Elec. Ry.,	5	1,000.00	
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						\$65,000.00
1921	May	1	Quincy,	4	\$3,000.00	
	Oct.	1	Clinton,	3 ½	1,000.00	
	Oct.	1	Fitchburg, R. R.,	3 ½	15,000.00	
	Oct.	1	Haverhill,	4	20,000.00	
	Nov.	1	Boston & Maine,	3 ½	2,000.00	
	Dec.	1	Middletown,	3 ½	5,000.00	
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						\$46,000.00
1922	Jan.	1	Lynn,	4	\$5,000.00	
	Mar.	1	New Bedford,	3 ½	2,000.00	
	May	1	Quincy,	4	3,000.00	
	June	1	Boston,	3 ½	2,000.00	
	July	1	Barre,	3 ½	3,000.00	
	July	1	Providence & Spring-			
			field Ry.,	5	20,000.00	
	Dec.	1	Haverhill,	4	5,000.00	
						<hr/>
						\$40,000.00
1923	Apr.	1	Lynn,	4	\$4,000.00	
	Apr.	1	Saginaw,	4	10,000.00	
	May	1	Quincy,	4	1,000.00	
	May	15	Newport,	4	15,000.00	
	Oct.	1	Saginaw,	4	10,000.00	
	Dec.	1	Boyer Valley R. R.,	3 ½	5,000.00	
	Dec.	15	Brockton,	4	1,000.00	
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						\$46,000.00
1924	Jan.	1	Bridgeport,	4	\$6,000.00	
	Jan.	1	Kansas City,	4	34,000.00	
	Feb.	1	Cambridge,	4	4,000.00	
	Feb.	1	Old Colony R. R.,	4	6,000.00	
	Mar.	1	Indianapolis,	4	5,000.00	
	Apr.	1	Brockton,	4	7,000.00	
	Apr.	1	New Bedford,	4	4,000.00	
	Apr.	1	Newton,	4	19,000.00	
	Apr.	1	Woonsocket,	4	3,000.00	
	May	2	Malden,	4	5,000.00	
	June	1	Minn. & Iowa R. R.,	3 ½	5,000.00	
	June	30	Indianapolis,	4	5,000.00	
	July	1	Mil., L. S. & Western,	6	3,000.00	
	July	1	New Britain,	4	9,000.00	
	Aug.	1	Cambridge,	4	32,000.00	
	Dec.	15	New Bedford,	4	20,000.00	
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						\$167,000.00
1925	May	1	Kennebec,	3 ½	\$10,000.00	
	May	2	Malden,	4	20,000.00	
	July	1	New Bedford,	4	5,000.00	
	July	1	New Bedford,	3 ½	24,000.00	
	Aug.	1	Troy,	4	10,000.00	
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						\$69,000.00

1926	Mar.	1	Peoria & N. W. R. R.,	3 ½	\$5,000.00	
	Apr.	1	New Bedford,	4	1,000.00	
	July	1	Attleboro,	4	18,000.00	
	Aug.	15	Chicago & N. W. R. R.,	4	10,000.00	
	Sept.	1	Boston & Maine R. R.,	4	25,000.00	
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						\$59,000.00
1927	Jan.	1	New Bedford,	4	\$5,000.00	
	Jan.	1	Waltham,	4	2,000.00	
	Mar.	1	Fitchburg R. R.,	4	5,000.00	
	May	1	C., B. & Q. R. R.,	4	5,000.00	
	May	1	New Bedford,	4	52,000.00	
	May	1	Newton,	4	16,000.00	
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						\$85,000.00
1928	Feb.	1	New Bedford,	3 ½	\$3,000.00	
	May	1	Portland & Ogdensburg			
			R. R.,	4 ½	5,000.00	
	July	1	Worcester,	4	17,000.00	
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						\$25,000.00
1929	Feb.	1	Mil., L. S. & West. R. R.	5	\$30,000.00	
	July	1	Amer. Tel. & Tel. Co.,	4	25,000.00	
	Oct.	1	Chic. & Northwestern			
			R. R.,	5	18,000.00	
	Oct.	1	Chic. & Northwestern			
			R. R.,	6	5,000.00	
	Oct.	1	St. Louis,	4	10,000.00	
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						\$88,000.00
1930	Mar.	1	Brockton,	3 ½	\$10,000.00	
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						\$10,000.00
1932	Mar.	1	New Bedford,	3 ½	\$3,000.00	
	Aug.	1	West End St. Ry.,	4	49,000.00	
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						\$52,000.00
1933	May	1	Boston & Albany, R. R.,	4	\$5,000.00	
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						\$5,000.00
1934	Aug.	1	Augusta,	4	\$40,000.00	
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						\$40,000.00
1935	Mar.	1	Westerly,	3 ½	\$8,000.00	
	Apr.	1	Northern Maine Seaport			
			R. R.,	5	35,000.00	
	May	1	Boston Elevated Ry.,	4	25,000.00	
	July	1	So. Norwalk,	4	3,000.00	
	Sept.	1	So. Norwalk,	4	5,000.00	
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						\$76,000.00
1938	July	1	Kalamazoo, Alleg. & G.			
			R. R. R.,	5	\$4,000.00	
	Dec.	1	Stamford,	4	5,000.00	
						<hr/>
						\$9,000.00
1940	July	1	Erie & Pittsburg R. R.,	3 ½	\$50,000.00	
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						\$50,000.00
1943	Jan.	1	Bangor & Aroostook			
			R. R.,	5	\$29,000.00	
						<hr/>
						\$29,000.00
1944	Jan.	1	Boston & Maine R. R.,	4 ½	\$5,000.00	
	Mar.	1	St. Johnsbury & L.			
			Champlain R. R.,	5	11,000.00	
						<hr/>
						\$16,000.00

# SINKING FUNDS

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1945	July	1	New England R. R.,	4	\$13,000.00	
						\$13,000.00
1946	July	1	Boston Terminal,	4	\$20,000.00	
						\$20,000.00
1949	July	1	C., B. & Q. R. R.,	3 ½	\$36,000.00	
	July	1	C. B., & Q. R. R.,	4	39,000.00	
						\$75,000.00
1951	Aug.	1	Ill. Central R. R.,	3	\$25,000.00	
	Sept.	1	Michigan Central R. R.,	3 ½	12,000.00	
						\$37,000.00
1952	May	1	Michigan Central R. R.,	3 ½	\$30,000.00	
						\$30,000.00
1953	July	1	Illinois Central R. R.,	3 ½	\$22,000.00	
						\$22,000.00
1954	Jan.	1	Washington Co. R. R.,	3 ½	\$16,000.00	
	Apr.	1	N. Y., N. H. & H. R. R.,	3 ½	11,000.00	
	May	1	N. Y., N. H. & H. R. R.,	4	35,000.00	
	May	1	Naugatuck, R. R.,	4	4,000.00	
						\$66,000.00
1955	July	1	N. Y., N. H. & H. R. R.	4	\$53,000.00	
						\$53,000.00
1956	May	1	N. Y., N. H. & H. R. R.	4	\$25,000.00	
						\$25,000.00
1957	Jan.	1	New Bedford,	4	\$5,000.00	
						\$5,000.00
1958	Mar.	1	C., B. & Q. R. R.,	4	\$10,000.00	
						\$10,000.00
Total .....						\$1,913,500.00
Savings Bank Deposits.....						9,040.40
Cash on Deposit.....						26,353.86
Securities at par, close of 1914.....						\$1,948,894.26

Respectfully submitted,

WILLIAM S. COOK,  
Treasurer.

REPORT OF THE  
Commissioners of the Sinking Funds.

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City of New Bedford,  
March 1, 1915.

*To the City Council of the City of New Bedford, Mass.*

Gentlemen: At a meeting of the Commissioners of the Sinking Funds of the City of New Bedford, held at this date, it was

Voted:—To adopt the foregoing statement of the Treasurer of the Sinking Funds as the report of the Commissioners of the Sinking Funds of the City of New Bedford, required by the Statutes of the Commonwealth of Massachusetts to be made annually to the City Council.

WM. A. MACKIE,  
EDMUND W. BOURNE,  
Commissioners of the Sinking Funds.







JAMES P. FRANCIS,  
Certified Public Accountant.  
Masonic Building.

New Bedford, Mass.  
March 1, 1915.

<i>William A. Mackie, Esq.</i>	}	<i>Commissioners of the New Bedford Sinking Funds.</i>
<i>Edmund W. Bourne, Esq.</i>		
<i>John T. Bullard, M. D.</i>		

Dear Sirs:—I have finished my examination of the books and accounts of the Treasurer of the Sinking Funds, and hereby certify that they are correct. I have also examined the securities representing the investments, and have found them as stated in his report.

Yours very truly,

JAMES P. FRANCIS,  
Certified Public Accountant.

New Bedford, Mass.,  
January 1, 1915.

*To the City Council of the City of New Bedford:*

The Trustees of the Kempton Fund herewith submit the following as their Seventh Annual

### REPORT.

During the past year there has been no change of the securities in which the fund of the Kempton Trust, the Gift of Sarah E. Potter, of \$250,000.00 is invested.

The gross amount of income which has been received by the Trustees is \$10,770.00, and this amount less \$15.00 expended by the Trustees for rental of safe deposit box at the Mechanics National Bank, has been paid to the City Treasurer, as provided in the Trust for the use of the Library.

Under the provisions of City Ordinances approved by the Mayor February 26, 1914, and March 12, 1914, the Trustees of the Kempton Fund were charged with the management, direction and control of the investment of the following additional trusts, viz:

Sylvia Ann Howland Educational and Library Fund,	\$100,000.00
George O. Crocker Library Fund,	10,000.00
Charles L. Wood, Library Fund,	2,000.00
Oliver Crocker Library Fund,	1,000.00
George Howland, Jr. Library Fund,	1,600.00
Charles W. Morgan Library Fund,	1,000.00
James B. Congdon, Library Fund,	500.00
Jonathan Bourne School Fund,	1,000.00

There was received from the City Treasurer, as purchases of securities were made between April 10, 1914 and May 18, 1914, the total sum of one hundred seventeen thousand one hundred (117,100) dollars.

The investment of the several Funds, stating the cost, the rate of interest, and the annual income appears in the following table:—

**SYLVIA ANN HOWLAND EDUCATIONAL AND LIBRARY FUND.**

Par Value		Cost	Rate	Annual Income
\$50,000.00	State of California,	\$48,646.80	4 %	\$2,000.00
25,000.00	City of New Bedford,	25,000.00	4 %	1,000.00
1,000.00	City of Brockton,	998.75	4 %	40.00
25,000.00	City of Marlboro,	25,000.00	4 %	1,000.00
354.45	N. B. Inst. for Savings Deposit,	354.45	4 %	14.16

**GEORGE O. CROCKER LIBRARY FUND.**

Par Value		Cost	Rate	Annual Income
\$10,000.00	City of Providence,	\$10,000.00	4 %	\$400.00

**CHARLES L. WOOD LIBRARY FUND.**

Par Value		Cost	Rate	Annual Income
\$2,000.00	N. B. Inst. for Savings Deposit,	\$2,000.00	4 %	\$80.00

**OLIVER CROCKER LIBRARY FUND.**

Par Value		Cost	Rate	Annual Income
\$1,000.00	N. B. Inst. for Savings Deposit,	\$1,000.00	4 %	\$40.00

**GEORGE HOWLAND, JR., LIBRARY FUND.**

Par Value		Cost	Rate	Annual Income
\$1,600.00	N. B. Inst. for Savings Deposit,	\$1,600.00	4 %	\$64.00

**CHARLES W. MORGAN LIBRARY FUND.**

Par Value		Cost	Rate	Annual Income
\$1,000.00	N. B. Inst. for Savings Deposit,	\$1,000.00	4 %	\$40.00

**JAMES B. CONGDON LIBRARY FUND.**

Par Value		Cost	Rate	Annual Income
\$500.00	N. B. Inst. for Savings Deposit,	\$500.00	4 %	\$20.00

**JONATHAN BOURNE SCHOOL FUND.**

Par Value		Cost	Rate	Annual Income
\$1,000.00	N. B. Inst. for Savings Deposit,	\$1,000.00	4 %	\$40.00

There has been received to December 31st, 1914, on account of the Funds named, income to the amount of \$2,365.54, and this amount has been paid to the City Treasurer without deductions, to be credited by him as provided in the various Trusts.

WM. W. CRAPO,  
FREDERIC TABER,  
ABBOTT P. SMITH,

Trustees.

**Twenty-Second Annual Report**  
**OF THE**  
**ENGINEERING DEPARTMENT**

**CITY OF NEW BEDFORD**

**BY THE**  
**CITY ENGINEER**

**For the Year 1914.**



**NEW BEDFORD, MASS.**  
**THE A. E. COFFIN PRESS, PRINTERS**  
**1915**

## NEW BEDFORD.

Set off from Dartmouth.....	1787.
Incorporated as a city.....	1847.
Area.....	19.89 sq. miles.
Length .....	10.78 miles.
Breadth (maximum).....	8.10 "
Population (Estimated) .....	108,680
Valuation .....	\$108,082,232 29
Valuation per capita .....	\$994.04
Accepted streets.. ..	184.247 miles.
Bridges ( 8 ) .....	0.796 miles in New Bedford.
Sewers, exclusive of intercepting.....	114,897 miles.

### Length of Intercepting Sewer constructed.

Outfall.....	0.626 miles.
Interceptor .....	8.771 "
Low level.....	2.721 "

# ENGINEER'S REPORT.

City of New Bedford,  
Engineering Department,  
January 1, 1915.

To the City Council of the City of New Bedford:

Gentlemen:—In compliance with section 5 of the ordinance defining the duties of the City Engineer, I respectfully submit the following report of the expenses and operations of the Engineering Department for the year ending December 6, 1914.

## EXPENDITURES.

Salaries and pay rolls.....	\$17,719.10	
Telephone .....	73.07	
Local transportation.....	569.63	
Drawing supplies.....	178.04	
Blueprint materials.....	253.11	
Printing, stationery, etc.....	265.62	
Sundry supplies.....	100.44	
Office furniture and repairs.....	230.71	
Platting system expenses.....	68.53	
General instruments for office and field	135.20	
Traveling expenses, express, postage, etc.	79.36	
Printing annual report.....	46.25	
Public statutes and reference books...	27.00	
Meteorological instruments .....	205.82	
Boundstones .....	32.77	
		\$19,984.65
Balance .....		15.35
		\$20,000.00

## RECEIPTS.

Appropriation, regular.....	\$20,000.00
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## EXPENDITURES.

Gross .....	\$19,984.65
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## RECEIPTS.

By credit to Miscellaneous Revenue of 1914:

Cash from sale of blueprints, printing materials and maps.....	\$762.09	
Net expenditures.....	19,222.56	
		\$19,984.65



## SEWERS.

During the year 4.527 miles of sewers were constructed at an expense of \$66,694.96 in comparison with 8.124 miles costing \$223,452.18 laid in the preceding year.

The only main sewers laid this year were the Brook and Query street sewer, which was extended 568 feet at a cost of \$5,313.70, and the Tripps Brook Relief sewer which was ordered extended from Arnold street to the corner of Newton and Court streets, a distance of 1303 feet, at an estimated expense of \$25,000. About one half of the work on the latter sewer has been completed and the cost is apparently well within the estimate. Work on this sewer should be continued to complete it as far as Kempton street. This sewer will then take the drainage from the westerly part of the valley to that point, and greatly relieve a section of the Tripps Brook sewer which is now overloaded.

The sewer laid in the valley east of Shawmut avenue in 1913, has relieved the trouble in that district caused by surface water. Considerable dissatisfaction has been expressed, however, because it cannot be used at present for sanitary sewage, but the small number of dwellings in this locality hardly warrants the expense of completing the sewer at this time. No work has been done on this system this year, but as soon as houses are built on Summer street north of Fillmore, or east of Summer north of Sawyer, it will be necessary to construct a part of this sewer to Myrtle street, to care for the flow from sewers which must be laid in Myrtle and adjoining streets in this district.

Work on the intercepting sewer has progressed steadily through the year and at the present time the flow of all sewage has been intercepted from the upper part of Clarks Cove and from that part of the city lying west of Second street as far north as Spring street. The details of this work, together with the costs, are given fully in

the report of Mr. William F. Williams, Consulting Engineer, which is made a part of this report.

On December 10th, 1914, the City Council adopted an order providing for a change in the method of assessing sewers, the purpose of which was the equalizing of assessments. The order provides for a rate based on a uniformly sliding scale proportional to the cost, and the apportionment of the assessment will be in proportion to the frontage of the lots and cover the area of the abutting land to the depth of 50 feet.

### STREETS.

During 1914, 3.637 miles of streets were accepted and 2.368 miles relocated or widened. The principal widening was that of the Phillips road from an indefinite width of 30 to 40 feet to a uniform width of 60 feet. This widening is 2.2 miles in length and was accomplished at a cost of only \$1,575, no payment being made for 5.812 acres of land taken. Building had already commenced on this road and by widening now, an important through-road of good width is assured for the future, at a small outlay.

Last year attention was called to the lack of control by the city authorities in the matter of the location of streets, by owners of land in cut-up and development schemes. Chapter 271 of the Acts of 1914, Massachusetts legislature, provides that the Mayor and Board of Aldermen shall constitute a Board of Survey for this city. By authority of this act, the Board of Survey has control of the location of streets in any division of land by private parties, and the right to locate and bound proposed streets through undeveloped land in advance of their dedication by the owners of the land or their layout and acceptance by the City.

This control will probably improve the street system in new districts, but there already exists so much that

is bad that many streets will need to be adapted to fit present conditions as well as possible, as the expense of laying them out in the proper manner would be prohibitive.

May 27, 1914, the Board of Mayor and Aldermen adopted an order fixing a uniform width of granolithic walks in order to prevent the unsightly appearance occasioned by varying widths in front of different properties in one block.

In giving lines for street curbing we have adopted a width of street between curbs of 24 feet on both 40 and 50-foot streets, except in case of such 50-foot streets as are already main thoroughfares, in which case 30 feet is allowed between curbs. The walk and trees are so placed on the 13-foot sidewalks that the curb and poles only need be moved in case the traffic on a street should require a wider road-way at some future time. The 60 and 80-foot streets have walks 15 and 20 feet respectively on the same principle, allowing the construction of the street at greatly reduced expense, and giving a much more pleasing appearance with a stretch of greensward and trees instead of a broad expanse of macadam which for a long time might not be needed.

The work of widening Purchase and Union streets has proceeded throughout the season and has required a great deal of time from this department on account of its being done in such small sections. With the exception of the Cummings Building on Purchase street, there is now nothing to prevent the laying of the car tracks in early spring and the prompt execution of all the work connected with the widening.

#### WIRE CONDUITS.

Legislation has been secured authorizing the Board of Aldermen, with consent of the Mayor, to order the removal of all wires, etc., from one mile of streets each

year. The law provides that in the month of January the Inspector of Wires, the Superintendent of Streets and the City Engineer shall report to the Mayor and Board of Aldermen as to the location in which it is most desirable that this work should be done. This, it is hoped will gradually reduce the number of poles and overhead wires systematically throughout the city and in such manner as will cause the least disturbance of newly surfaced streets. In other words, that the municipality and the public service corporations will work together in such manner as shall secure the best results for both. As provided in this law, plans have been made of that part of the city covered by the law showing all poles, trees, lights, etc. These plans are nearly completed and have been made by the regular force in this office. They are on a 60 scale and are copies of the assessors' plots, and are indexed and numbered in the same manner. In this way the ownership of all lots can be at once ascertained by reference to the ownership cards of these plans. These plans, to be of value, will need to be kept posted to date in order to show all changes and additions. The originals are on tracing cloth mounted on removable rolls to be posted and kept in this department, and sets of prints can be taken from them at any time.

This department has investigated all petitions for conduit locations or other structures in the street, filed during the year, in order that a systematic arrangement of the same might be secured and conflict between different uses of the street avoided. We have also investigated for the Inspector of Wires all applications for pole locations to determine if the location asked for conflicts with any other use of the street by the city, as for catch basins, etc.

We have set 235 bounds this year to hold the location of recently accepted streets, and important surveys on unaccepted streets. We are thus enabled to save large expenditures for resurveys.

All records of transfers of property at the registry of deeds and at the probate court have been taken and the changes made on the plats and transfer cards of this and the assessors' office. Two sets of blueprints of the plats on linen, which now number 156, were made and furnished the assessors, also a set of mill site plans.

The rain-gauge and recording thermometer, formerly in use, have been replaced by new instruments, thus bringing all the meteorological instruments into first-class condition. With the new rain-gauge we are enabled, for the first time since the burning of City Hall and the destruction of the gauge then in use, to record the rate and duration of the rainfall, as well as the total amount. This information is of the utmost value in the calculation of the capacities of the sewers.

### COGGESHALL STREET BRIDGE.

The repairs on the Coggeshall Street Bridge, which were commenced last year, have been satisfactorily completed at a total expense of \$27,400.48.

The bridge is now in good condition and in some respects stronger than when first built. The draw of this bridge is opened at regular intervals to keep it in good working order. It is impossible, however, to emphasize too strongly that this bridge will need constant attention and frequent painting on account of its being so low that portions of the steel work are frequently submerged in salt water.

The steel work of the New Bedford and Fairhaven Bridge has received no attention this year, and the under side requires paint to prevent expensive repairs in the future.

The Bristol County Commissioners have completed a concrete structure over the Acushnet River between this city and the town of Acushnet, near contemplated Wood

street. This is now a public highway, one-half being in New Bedford and one-half in Acushnet.

Following out the recommendation of the Mayor in his inaugural message, plans have been made for the construction of a park on the south side of the New Bedford and Fairhaven Bridge at Popes Island. These plans have been approved and permission given to build by both the United States War Department and by the Massachusetts Harbor and Land Commission. The plans provide for the building of retaining walls and filling back of them with ashes. The plans provide for filling an area of about 7 acres. Having obtained permission to build, the next step will be the acquiring of title to the land. This project will serve the double purpose of providing a dumping place for ashes for several years and will eventually furnish one of the best located parks in the city.

Mr. R. C. P. Coggeshall, now Superintendent of Water Works, who was the City Surveyor from 1877 to 1881 and who also had a large practice as a private surveyor during that period, has presented to the city all his survey notes and plans. This was a very courteous act on the part of Mr. Coggeshall and one that is much appreciated. The plans are to be marked, indexed and kept in this office and will prove of great value both to the city and to private surveyors in cases where original lines need to be traced from existing streets.

The assistants who have been employed in this department during the year are:

Assistant Engineer—Leonard J. Hathaway, Jr.

Field—Arthur C. Kirby, Elmer L. Deane, Edward F. Mulally, Walter E. Wilson, Lester T. Lewis, Ellsworth B. Tolman, Manuel M. Enos, James M. Hayes, Randall S. Coe, Walter Martin, Merton J. Batchelder.

Office—Clifford L. Wade, Paul G. Covill, Benjamin F. Howe, Wilfred T. Fahey.

Plotting System—Edward M. Slocum and Norman Barstow.

Clerks—Jessie Loughlin and Marion L. Clarke.

Respectfully submitted,

GEORGE H. NYE,  
City Engineer.







## STREETS LAID OUT AND ACCEPTED.

Street	From	To	Date of Acceptance	Width and Length in feet	
				50 Feet	40 Feet
Acorn	Durfee	Northerly	Mar. 25, 1914	382.60	
Ball	Homestead	Northerly	Nov. 11, 1914		232.00
Baylies	Wood	Hersom	June 10, 1914	243.75	
Belleville Ave.	Kilburn	Washburn	Dec. 2, 1914		272.40
Branscomb	Acushnet Ave.	Westerly	Dec. 23, 1914	247.33	
Branscomb	W. Acushnet Ave.	Westerly	Dec. 9, 1914	2,276.13	
Bristol	Morris	Easterly	April 8, 1914	485.51	
Carney	Maxfield	Smith	Feb. 11, 1914	463.35	
Caroline	Durfee	Northerly	Mar. 25, 1914	454.03	
Carroll	Reed	Rockdale	Dec. 2, 1914	206.13	
Charles	Brock Ave.	Easterly	June 24, 1914	520.68	
Cleveland	Butler	S. Rodney	June 11, 1914	1,092.28	
Coggeshall	Summer	Mt. Pleasant	July 9, 1914	318.60	
Darling	Acushnet line	Ball	Nov. 11, 1914		294.71
Dewey	Acushnet Ave.	Bowditch	Jan. 7, 1914	825.97	
Ernest	Belleville Rd.	Bates	Sept. 23, 1914		259.92
Flagg	Maxfield	Smith	Feb. 11, 1914	464.61	
Hawes	Tarklin Hill Rd.	Pine Grove Cemetery	Sept. 23, 1914	2,438.09	
Homestead	Acushnet line	Acushnet Ave.	Nov. 11, 1914		428.27
Jenney	Kempton	Mill	May 27, 1914		158.20
John	Allen	Ryan	Dec. 2, 1914	630.56	
Joyce	Acushnet Ave.	Church	Jan. 7, 1914	1,991.16	
Lawrence	Tarklin Hill Rd.	Brockton	Dec. 2, 1914	702.02	
Liberty	Thru Oak Grove	Cemetery	July 22, 1914	446.75	
Lindsey	Maxfield	Smith	Feb. 11, 1914	462.08	
Palmer	Hawthorn	Maple	July 22, 1914	295.30	
Plymouth	Reed	Rockdale Ave.	Dec. 2, 1914	216.84	
Ryan	Reed	Rockdale Ave.	Dec. 2, 1914	194.49	
Shaw	Conduit	Acushnet Ave.	May 27, 1914	530.78	
Swift	Orchard	Bolton	July 9, 1914	445.33	
Turner	Durfee	Northerly	Mar. 25, 1914	409.78	
Worcester	Tarklin Hill Rd.	Northerly	May 13, 1914	2,458.72	
Total Length - - -				19,202.87	1,645.50

## STREETS WIDENED

Street	From	To	Date of Acceptance	
Phillips Rd. Spring	Acushnet Ave. Purchase	Braley Rd. Westerly	Nov. 11, 1914 Nov. 11, 1914	Both sides to 60-ft. 10 ft. south side length 11,617.97 length 105.81 Total length 11,723.78

## STREETS RELOCATED

W. French Ave.	David	Southerly	Oct. 30, 1914	Length 780.27 Total length 780.27
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## GRADE CHANGED

Watson	North	Northerly	June 10, 1914	Length 295.55 Total length 295.55
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## NAME CHANGED

Collette Brock Ave.	Front W. French Av.	Acushnet Ave. Dartmouth line	Feb. 11, 1914 Sept. 23, 1914	from Plummer from Cove Road
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# ENGINEERING DEPARTMENT

Labor	Cost of Labor per feet length	Cost of Materials	Total Cost of Sewer	Cost per ft. of length	Ordered	Commenced	Finished	Remarks
584	0.89	8793	373.87	1.30	Mar 25 1914	Apr 17 1914	Apr 21 1914	
072	0.91	20228	803.01	1.22	Dec 26 1914	Dec 29 1914		
429	2.68	15044	8547.33	1.8	Jan 7 1914	Jan 1914		
642	2.18	5430	290.72	2.68	Dec 26 1913	Dec 30 1913		
203	1.18	10466	546.68	1.46	May 13 1914	June 8 1914	June 13 1914	
071	1.35	22808	878.79	1.76	Jan 7 1914	Jan 1914	Jan 23 1914	
064	1.51	17555	766.19	1.95	Nov 28 1913	Dec 15 1913		
287	0.57	26462	567.49	1.10	Oct 22 1914	Nov 6 1914	Nov 12 1914	
870	1.26	381.71	1560.41	1.68	June 24 1914	July 2 1914		
257	0.71	11665	368.22	1.03	June 24 1914	June 1914	July 7 1914	
077	0.78	8745	318.22	1.07	Mar 11 1914	Mar 23 1914		
216	3.40	86258	49347.44	1.12	July 22 1914	July 27 1914	Sept 4 1914	
375	2.12	141078	41445.32	3.22	Sept 12 1912	Dec 23 1912	May 1914	* Entire Cost
750	1.87	16972	847.22	2.34	May 13 1914	May 22 1914		
007	1.68	14095	571.02	2.25	Oct 8 1914	Nov 12 1914		
639	1.45	8338	408.77	1.82	June 10 1914	June 29 1914	July 3 1914	
239	1.34	13445	516.84	1.81	June 10 1914	June 25 1914		
497	1.08	8649	401.46	1.38	Apr 22 1914	June 11 1914	June 13 1914	
282	2.78	223891	4301.73	5.82	Oct 22 1913	Nov 20 1913		* Entire Cost
862		456913	1968.75		Avg 24 1914	Sept 14 1914		Unfinished
533		1156007	35625.40					
759	5.13	239611	5313.70	8.34	June 24 1914	July 6 1914	Aug 15 1914	
073	1.43	4265	253.38	1.72	June 11 1914	June 24 1914	June 27 1914	
015	1.07	16129	621.44	1.45	May 13 1914	May 26 1914	May 28 1914	
084	1.13	27331	644.15	1.86	Oct 8 1914	Nov 10 1914	Nov 16 1914	
738	1.24	16537	812.75	1.56	Mar 25 1914	Apr 21 1914	Apr 30 1914	
912	1.84	26842	12885.42	2.32	Nov 11 1914	Nov 17 1914	Nov 28 1914	
560	1.48	402879	696439.35	3.53	Sept 10 1914	Oct 5 1914		
127		1.00	562.27		Nov 11 1914			Unfinished
274	1.10	53631	1589.05	1.66	May 13 1914	June 15 1914	June 25 1914	
787	1.58	13050	648.37	1.88	Apr 22 1914	Apr 1914		
154	1.42	13660	848.14	1.70	May 13 1914	May 13 1914		
388	2.04	10038	824.26	2.33	Apr 22 1914	May 11 1914	May 20 1914	
185			531.85		Nov 11 1914			Unfinished
590	2.67	140648	333238.46	2	Aug 11 1913			* Entire Cost
255	1.72	30324	1445.78	2.17	May 13 1914	June 1 1914	June 12 1914	
170	3.84	31359	1725.28	4.69	Mar 25 1914	Apr 1914		
534	0.68	15896	435.30	1.10	July 22 1914	Aug 17 1914		
901	1.86	46668	1421.69	2.76	Oct 1 1913	Dec 1 1913	Dec 15 1913	* Entire Cost
511	2.54	29071	1796.82	3.02	May 13 1914	June 10 1914	July 9 1914	
117		1182383	106956					

o system - 22760 ft. = 4316 miles

## RECORD OF TIDES — 1914.

MONTH	HIGH TIDE			LOW TIDE			RANGE
	Average	Maximum	Minimum	Average	Maximum	Minimum	Average
January	—0.385	+0.8	—2.0	—3.586	—1.5	—5.9	3.201
February	—1.267	+1.9	—2.5	—4.356	—2.5	—6.2	3.089
March	—0.773	+0.9	—2.0	—3.781	—2.3	—5.1	3.008
April	—0.471	+1.5	—1.5	—3.687	—2.0	—5.1	3.216
May	—0.447	+2.8	—2.3	—3.621	—2.5	—5.0	3.174
June	—0.566	+0.7	—2.0	—3.971	—2.6	—5.2	3.405
July	—0.116	+0.7	—1.1	—3.309	—1.8	—4.9	3.193
August	+0.035	+1.0	—1.1	—3.671	—2.4	—4.3	3.706
September	+0.033	+2.0	—1.6	—3.409	—2.3	—4.3	3.442
October	—0.142	+2.7	—1.5	—3.308	—2.0	—5.7	3.166
November	—0.248	+1.8	—1.7	—3.531	—2.1	—5.2	3.283
December	—0.362	+1.2	—2.8	—3.575	—2.0	—5.5	3.213
Average for year	—0.392			—3.650			3.258
Extreme for year		+2.8	—2.8		—1.5	—6.2	

“Mean high water” is 0.65 ft. below City Datum.

“Mean high water” is 0.131 ft. above average high tide since 1896.

Average low tide since 1896, — 3.744.

Average Range of tides since 1896, 3.372.

## From Observations by Engineering Department.

[illegible]

OCTOBER				NOVEMBER				DECEMBER				Day
H	A	Q		E	H	A	Q	E	H	A	Q	
												1
				0.02	0.01		0.07	0.37		0.42	0.35	2
								0.43				3
												4
												5
												6
				0.03	0.02	0.35	0.37	1.46				7
				0.09				0.58	1.82	1.90		8
				0.29								9
								0.07	0.20	0.26	1.72	10
							0.05					11
				0.21								12
								0.50			1.35	13
								0.48	1.28	0.45		14
				0.12								15
				0.60	0.95	0.90	0.97					16
2.10	0.54	1.90										17
												18
0.17	0.20	0.18	2.40				1.85	0.52			0.44	19
				1.71	1.96				0.48	0.51		20
								0.89	0.74	0.72	0.64	21
												22
												23
								0.10	0.08	0.05		24
												25
												26
0.24	0.38	0.43						0.02				27
												28
								0.47				29
								0.04	0.48	0.48	0.42	30
												31
2.51	2.90	2.51	3.55	2.90	3.21	3.31	5.38	5.55	4.82	4.97	Total	

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**To the Mayor and Aldermen and Committee on Roads,  
Bridges and Sewers.**

Gentlemen:—I beg to submit the following report on the progress of the construction of the Intercepting Sewer during the year ending December 6th, 1914.

**INTERCEPTING SEWER.**

The construction of the main interceptor is completed as far north as the corner of Water and Commercial streets, making a total length built during the year of 3,256½ feet. Work is in progress on the extension of the sewer in Water street, and it is hoped that it will be completed to Middle street by spring, although this is a very difficult section owing to the deep cut in ledge near William street and to the connections to be made with existing sewers at Elm street. All work on the intercepting sewer north of the end of Section 2, at the corner of Water and Cove streets, has been done by the city with day labor.

The contract with Frank A. Gammino for the construction of Section 2 of the intercepting sewer in West French avenue was completed June 1st, 1914. At about that time the sewage collected by the cross-interceptor in Rivet street from the Crapo street, Bonney street and Rivet street sewers was turned into the main intercepting sewer at Second street and thence discharged into the Cove through a temporary outlet just north of the Screen Station. The sewage from the Clarks Cove Pumping Station has also been delivered into the main interceptor since the above time.

On November 11, 1914, the Committee authorized the further extension of the sewer northerly in Water street to the Fairhaven Bridge; thence in a diagonal direction across Bridge Park to High street and in the latter street to Second street; thence in Second street to Maxfield

street; thence northerly in Water street to Acushnet avenue at Willis street; and thence in the avenue to Logan street, a total distance of about 7,000 feet.

The sewer is designed to be built of concrete, reinforced with  $\frac{1}{2}$  inch steel rods. The cross section will be 6 feet 6 inches in width by 6 feet in height from Union street to Elm street, where it will reduce to a section 5 feet 9 inches in width by 5 feet 3 inches in height. This section will continue to Pearl street, where it will change to a section 6 feet 7 inches in width by 3 feet 2 inches in height on account of the low grade of the street. This section will continue to a point about 300 feet north of Wamsutta street, where it will become 5 feet  $2\frac{1}{2}$  inches in width by 4 feet 9 inches in height, which will continue to Logan street.

Crossing Wamsutta street the sewer will be built and operated as a siphon because there is not room enough between the surface of the street and the grade of the sewer to build it on a true grade. I do not apprehend any difficulty in the construction or operation of the sewer in Acushnet avenue, and it will effect a great saving over the cost on the original location in Purchase street. Connections will be made with cross sewers by means of automatic regulating valves similar to those already installed on the connections in the south end of the city.

#### SEPARATE SYSTEM SEWERS.

A separate system sewer of vitrified clay pipe was built during the year in Cove road from Clarks Cove Pumping Station westerly to Rockdale avenue and easterly to Shore street, and in the latter street to a connection with the Grit street sewer. The sewage from the sewers in County street, Crapo street and Rockdale avenue, which enters these sewers from the territory south of Rivet street, is now taken into the separate system sewer

in Cove road through connections operated by automatic regulating valves installed in concrete chambers for purposes of inspection and adjustment. A 10-inch pipe connecting sewer was also laid in Bonney street to take the drainage of the Page Mill.

The only sewer not yet connected with the sewer in Cove road is the Orchard street sewer, which is carrying such a large volume of condenser water from the Gosnold and Rotch Mills that it would seriously overtax the capacity of the Pumping Station if it were connected with the above named sewer. At present this water so dilutes the sewage carried by this sewer that it can have very little effect upon the condition of the water at the head of the Cove. At some time in the future, however, it will be necessary for the mills to provide some other outlet for their condenser water. Except during a rain storm, there is at present no discharge into the head of the Cove other than from the Orchard street sewer. The effect of this removal of sewage from the Cove was quite marked during the past summer, for there was very little odor or other objectionable evidence of the presence of sewage.

#### CLARKS COVE PUMPING STATION.

The rapid extension of the separate system sewers connected with the Clarks Cove Pumping Station, together with the large amount of rain water that at present is taken into this system, made it necessary to take steps to install one of the two 12-inch centrifugal pumps which the plans for this station provided for in addition to the two 8-inch pumps now in use. This pump and its automatic control have been contracted for and will be in operation in a few months. An additional 18-inch cast iron force main has also been laid from the station to the intercepting sewer, which will provide all the capacity required for the new pump and for the second 12-inch pump whenever it is necessary to install it.

During the year certain changes have been made in the electric control of the pumps in this station, which it is hoped will prevent the repetition of an accident which happened as the result of one of the pumps being stopped by the entrance of a small block of wood into the impeller at the very instant that the pump started and before the starting resistance had thrown out. Had this happened while the pump was in full operation, the current would have been automatically cut out and no injury would have resulted to the apparatus or the motor. As it was, one section of the automatic control on the switchboard and the rotor of the motor were burned out. It was a contingency that the electricians had considered too remote to provide for, and it is possible that it might never happen again. It was thought desirable, however, to provide against its repetition inasmuch as this could be done at a reasonable cost. A change has also been made in the screen to prevent the passage of pieces of wood into the sewage well. With these improvements it is expected that the liability of accidents will be very much reduced.

With the addition of the pump already contracted for the station will have two 8-inch pumps and one 12-inch pump, which will give ample reserve capacity for some time to come.

The motors are operated by current purchased of the New Bedford Gas & Edison Light Company at 2 cents per Kw. hour. The total cost for current used during the year amounts to \$586.34, but some allowance should be made for the large amount of water handled by the pumps during the construction of the sewer in Cove road. A large proportion of rainwater is also being diverted to the Pumping Station that can be reduced after the proper adjustment of the regulators is determined. This matter is being carefully studied.

## FIRST STREET PUMPING STATION.

To provide for the drainage of the low level territory from Potomska street to School street, that cannot be drained direct into the intercepting sewer on account of its shallow depth, it was necessary to build a second pumping station. After careful study of the possible sites, it was decided to locate it in First street, just south of Howland street, this being a natural low point and about the center north and south of the area to be drained. The contract for the construction of the station was awarded to the J. W. Bishop Company, July 22, 1914, and was completed November 18, 1914.

The station is built of concrete and is entirely beneath the surface of the street and west sidewalk.

There is a sewage chamber 8 feet by 20 feet, 11 feet high, and a two-story pump and motor chamber under the west sidewalk.

The concrete roof of the sewage chamber is about 8 feet below the surface of the street, which leaves ample room for water and gas pipes.

The foundation of the entire structure is in ledge, so that there is no danger of settlement, and special pains were taken to secure water-tight floor and walls.

In the pump chamber there are two 8-inch vertical centrifugal pumps connected by pipes with the sewage chamber. These pumps are driven by direct connected electric motors placed in the chamber above. The motor room is entered from the sidewalk and there is a ladder-way to the pump room below. The motor room contains the motors, the float switches and the automatic apparatus which controls the operation of the motors.

The ventilation of the pump and motor chamber is secured by a duct leading from the motor chamber to the base of a hollow lamp post, at the curb line, carrying an electric light. Fresh air is carried to the lower chamber through a pipe in the outside wall with the inlet at the surface protected with a cast iron hood.

The sewage chamber has two inlets for sewage,—one at the northerly end and the other at the southerly end, each entering a manhole at the connection with the chamber. It is proposed to connect the upper part of the north manhole with the base of a lamp post on the east sidewalk similar to the one on the west side and to use the south manhole as an intake. The rise and fall of the sewage in the chamber as it fills and is then emptied by the pumps will create a frequent change of air. I am also of the opinion that sewage will not remain in the chamber long enough to create gas by the process of putrefaction. Nevertheless, it appears to me to be a wise precaution to provide for a constant change of air in the chamber as described.

The present flow of sewage to this station is comparatively small and is supplied by the pipe sewer laid under the intercepting sewer from Grinnell street to School street, but as deeper drainage is required for the surrounding territory, additional sewers will be laid and connected with the station.

The pumps discharge the sewage from the chamber through a 12-inch cast iron force main laid in Howland street to the intercepting sewer in Second street. The pumps are automatically controlled by a float, rising and falling in a pipe connected with the sewage chamber, which operates a switch that throws the current on and off the motors as required by the height of the sewage in the chamber.

The pumps and motors were furnished by the Lawrence Pump and Engine Company, although the motors were made by the General Electric Company, who also made and installed the switchboard and electric controlling apparatus.

#### SCREEN STATION.

The screen station is located on the west side of West French avenue immediately south of a private way on the

property of the city known as "Poor Farm Lane" and also just south of the wharf built as a part of the intercepting sewer system.

The building is one story in height, 84 feet 8 inches by 63 feet 8 inches in plan, and 28 feet from the water table to the under side of the eaves. There is a basement under the east half of the building containing the boiler room, 28 feet by 22 feet, which extends to the roof; a room 28 feet by 34 feet, under the engine room for pumps, piping, etc.; and a room, 28 feet by 22 feet, extending to the roof, which is to be used for the preparation of a disinfecting solution whenever it is decided to add this treatment to the sewage. The west half of the substructure of the building is taken up by the screen chambers, grit chambers, dry-weather-flow sewage chamber, sand washing chamber and the double set of sluice gates for the control of the flow of the sewage. The entire substructure, consisting of foundations, walls of chambers, floors, galleries, etc., is built of concrete reinforced wherever necessary.

A brick partition wall, running north and south, divides the building into two parts, the west side being one large room 81 feet by 34 feet, called the "screen room," in which is located the operating machinery of the station. There are two large doors, one at each end, and large windows which light the room thoroughly. The walls are finished with a red pressed brick, and the woodwork of doors and windows is painted a light shade of brown.

The stands and motors for operating both sets of sluice gates are at the two ends of the room. The screens are at the north end of the room. The metal frame work of the screen guides is painted a dark red to harmonize with the color of the walls. As all the machinery is operated by electricity, the apparatus is compact and neat in appearance and very easy to control. There is ample room for cleaning the screens and for the care of the grit chambers.



On the east side of the partition wall is the upper part of the boiler room, the disinfecting room and the engine room, with toilet room in one corner. The engine room is 34 feet by 28 feet, with the main entrance in the center of the east side and large windows on both sides of same. The walls are finished with a light gray pressed brick and the floor is laid with red tile on a reinforced concrete slab.

The equipment of this room consists of one 94 Kw. steam turbine generator and switchboard for the operation of the station, whenever necessary. There is ample room for another generator set when required.

The outer walls of the building are faced with Caledonian brick laid with every sixth course indented, which breaks up the severe effect of a smooth surface and produces a very attractive appearance. The water table, front steps, buttresses and window sills are granite. The roof of the building is built of steel trusses and purlines with yellow pine plank and slate covering. The under side of the plank is planed and finished natural color with shellac and varnish.

At the north end of the building on the basement level and connected with the boiler room is a coal bin 31 feet by 33 feet and 10 feet high with a reinforced concrete roof, the upper surface flush with the finished grade of the surrounding ground. There are several openings in the roof with iron frames and covers for receiving coal. A hydraulic ash hoist is located near the boiler room.

The chimney is directly north of the boiler room with its foundation in the westerly side of the coal bin. It is 90 feet in height from the water table to the top and is built with an inner core 36 inches in diameter which extends to within 13 inches of the top. Between the inner and outer cores there is an air space which is used as a ventilating flue for the removal of gases from the sewer. The grit chambers are connected at their southerly end with a flue built in the main partition wall and carried several feet above the roof.

Stop plank chambers are provided on the main sewer just outside both ends of the building so that repairs can be made to the sluice gates. Immediately north of the stop plank chamber at the inlet end is a relief overflow five feet in diameter running westerly into the Cove. This is controlled by an iron sluice gate operated by hand gears. Outside the sluice gate is a tide gate in a chamber built of concrete with grooves in the walls for stop planks when required.

On the west side of the building is a salt water well built of concrete, with an intake pipe extending through the sea wall and a suction pipe laid into the building for the supply of the pump operating the sand washers.

The boiler room is equipped with two vertical fire-tube boilers, each 150 horse power, built for a working pressure of 160 pounds, although for the present one boiler will be used under low pressure (not exceeding 15 pounds) for heating and for the destruction of screenings, while the other will be connected with the turbine engine and held in reserve for use if required.

To clearly understand the purpose of the screen station, it must be remembered that New Bedford's intercepting sewer system is designed to provide for the first part of the rainfall on the area drained by the combined system of sewers. At present this amounts to about 4,000 acres. In this area there is a large mileage of macadam streets and, although well provided with catch basins, the sewers are known to carry a considerable amount of sand in heavy rains. The rate of grade of the intercepting sewer is low as a matter of necessity, and with a varying tidal head the velocities will also be very low at times. Therefore it called for careful study to secure the successful operation of the outfall.

It was decided to install grit chambers in connection with the screening apparatus and remove the grit before the sewage entered the outfall sewer. Owing to the fact that the sewer, before reaching the outfall, passes through

a residential section of the city, the usual type of grit chamber could not be operated without danger of creating a serious nuisance. For this reason it was decided to attempt the mechanical separation of the grit from the sewage at frequent intervals of time and then to wash the sewage out of the grit and use the sand for filling.

It is proposed to accomplish this by passing the material collected in the grit chambers through a washing apparatus similar to the sand washers used for washing the sand of large filter beds. The washings will be returned to the sewer and the sand will be discharged on low land near the screen station. It is also proposed to remove the grit from the chambers with an ejector or sand pump, operated by water under a pressure of about 100 pounds per square inch, which will discharge directly into the washer. More water will be added through another connection if required.

The grit chambers are laid out on each side of the dry-weather-flow sewer and immediately in front of a double set of screens of the vertical rod, lift type. The chambers are built of concrete, and are 48 feet long by 9 feet wide, with hopper shaped bottom 6 feet below the invert of the screen pit. The bottom is nearly level for 32 feet and then rises with easy curves to the invert of the outlet into the sewer. The bottom of the chambers is 22.83 feet below the main floor of the building. In the floor over the center of each chamber is an opening 3 feet wide by 30 feet long covered with cast iron plates. If the proposed method of operating the chambers is not successful, the grit can be removed with a grab bucket operated from a traveling crane in the room above.

There is also a passageway beneath the screen pits and back of the hopper-shaped bottom of the grit chambers. At each end of this passageway is an electrically operated 8-inch centrifugal pump for draining the chambers and dry-weather sewer. The piping and connections are in the passageway, but the gates are operated from

the main floor of the building. The pumps discharge into the sewer beyond the chambers.

Between the grit chambers on the floor below the screen room and directly over the dry-weather-flow sewer is a chamber 44 feet 7 inches long, 9 feet 6 inches wide and 9 feet 10 inches high, in which the sand washers will be placed. The piping for the operation of the washers is placed in an enclosed gallery which passes through the upper part of the grit chambers and connects the washer room with the two pump chambers. The operating gates are located on the main floor.

There will be a sand pump in the bottom of each grit chamber with hose connections for both supply and delivery so that the pump can be moved to different positions on the bottom of the chamber to secure the complete removal of the contents. It is hoped that it will be possible to remove the grit as fast as it is deposited, but this may not be practicable.

It is expected that the grit chambers will be used only during rainfalls of sufficient intensity to carry grit into the sewers. It will require some experimenting to determine how soon after a rain begins it will be necessary to divert the flow into the grit chambers and how soon the flow can be turned back into the dry weather sewer after the rain ceases.

The screens are all 8 feet, 9 inches high and consist of a steel frame having vertical rods on three sides, with  $\frac{3}{4}$  inch openings between the rods. Each screen is raised and lowered by chains fastened on each side of the upper part of the screen frame and passing over a sprocket wheel to cast iron counter weights placed in a channel on the sides of the screen chamber. The sprocket wheel is operated by a worm and pinion run by an electric motor. One motor operates a set of two screens by means of clutches thrown in or out by levers worked by hand at the front of the screen frame.

The material collected by the screens, consisting mostly of paper, sticks and rags, will be removed with

forks and placed in a cylindrical press located in front of the screens where most of the water will be squeezed out by a piston operated by city water pressure. The solid residue will then be burned under the boilers.

It is very difficult to state how often the screens will have to be cleaned, but the periods will be quite definitely ascertained in a few months of operation.

The substructure of the Screen House was completed June 1st, 1914, by Frank A. Gammino, who had this contract. The contract for the construction of the superstructure was awarded to the J. W. Bishop Company, January 8, 1914, and was to have been completed July 1st, 1914, but this was impossible owing to the delay in the completion of the substructure. The contract was therefore extended by the Committee and it now appears that the building will be completed by the first of the year, 1915. It will, however, take some time to install and connect up the machinery for the operation of the station as this work could not be done until after the completion of the building.

The contract for six screens and hoisting apparatus was awarded June 24, 1914, to the P. F. Wood Boiler Company, and it is expected that they will be completed in December.

The net cost of the intercepting sewer system to December 6th, 1914, including engineering and inspection, was \$824,828.52. Total net expenditures for the fiscal year 1914, including engineering and inspection, amounted to \$237,281.81. For details of these contracts and expenditures see tables.

The following assistants and inspectors have been employed on the intercepting sewer work during the year:

Stanley G. Proverbs, Walter N. Charles, Robert S. Graham, William H. Chase, Robert A. McIntyre, Patrick Loftus, Jasper Sisson, and John N. O'Brien, Jr.

Respectfully submitted,

**WILLIAM F. WILLIAMS,**  
Consulting Engineer.

## SECTION 4.

**Completed October 9, 1914. Total length 2,750 ft.**

This work included 6 regulating chambers at street crossings with siphon for storm water overflow and a special heavy type of interceptor for about 600 feet where there is practically no cover on the street.

**Length 550 feet.**

This work includes one regulating chamber with overflow and connections.

## COVE ROAD PIPE SEWER.

From Pumping Station to Rockdale Avenue.

Commenced April 20, 1914.

Completed November 6, 1914. Length 2,689 feet.

Total excavation .....	7,695	cu. yds.
Rock excavation .....	22	" "
Concrete in chambers.....	94	" "
27" pipe laid.....	1,214	lin. ft.
24" " " .....	1,346	" "
18" " " .....	129	" "
6" " house connections .....	200	" "
Manholes .....	7	

This work included four regulating chambers with overflows and connections, together with the regulating apparatus for shutting off the storm water from the main sewer and discharging it into the Cove.

## SHORE STREET SEWER.

From Stapleton street easterly in Cove road to Shore street, and in Shore street south.

Commenced September 21, 1914.

Completed November 28, 1914. Length 506 feet.

Total excavation .....	1,000	cu. yds.
Rock excavation .....	27	" "
Concrete in chamber.....	9	" "
15" pipe laid.....	176	lin. ft.
12" " " .....	330	" "
6" " house connections.....	150	" "
Manholes built .....	3	

This work included one regulating chamber with overflow and connections, together with the regulating apparatus.

## BONNEY STREET SEWER.

From Cove road northerly.

Commenced work November 4, 1914.

Completed 350 feet at end of fiscal year.

Total excavation .....	600	cu. yds.
10" pipe laid.....	350	lin. ft.
6" pipe house connections.....	30	" "
Manhole built .....	1	

This work was in soft, wet ground requiring a water-tight sewer and special arrangements for pumping and sheeting.

## FORCE MAIN IN COVE ROAD.

From Cove Pumping Station to the intercepting sewer in West French Avenue.

Commenced November 19, 1914.

Not finished at the end of year owing to delay in receiving castings. Length 780 feet.

18" cast iron pipe laid with Leadite joints.

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 HOWLAND STREET SEWER.

From Second street east to the First street Pumping Station.

Commenced August 18, 1914.

Completed September 10, 1914. Length 260 feet.

Total excavation .....	485	cu. yds.
Rock excavation .....	15	" "
18" pipe laid .....	260	lin. ft.
6" pipe house connections.....	100	" "

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 FORCE MAIN IN HOWLAND STREET.

From First street Pumping Station westerly to the intercepting sewer in Second street.

Commenced September 14, 1914.

Completed September 16, 1914. Length 275 feet.

12" cast iron pipe laid with lead joints.

Laid in same trench with 18" sewer.



## CONTRACT WORK.

## SECTION 2.

Frank A. Gammino, Contractor.

Final Estimates—Jan. 1, 1914.

Item 1:	28,916 cu. yds.	earth excavation .....	@	\$ 1.25	\$36,145.00
" 2:	637 "	" " excavation in siphons .....	@	1.00	637.00
" 3:	4,694 "	" " rock excavation .....	@	4.50	21,123.00
" 4:	6,488 "	" " concrete .....	@	4.75	30,818.00
" 5:					
" 6:	1,915 ft.	pipe in siphons .....	@	.20	383.00
" 7:	643,500 lbs.	steel bars .....	@	.02	12,870.00
" 8:	192 M. ft.	B. M. sheeting left in place .....	@	20.00	3,840.00
" 9:	10,766 ft.	fibre ducts laid .....	@	.15	1,614.90
" 10:	6,000 ft.	underdrain .....	@	.30	1,800.00
					<hr/>
					\$109,230.90

## SCREEN HOUSE SUBSTRUCTURE.

Frank A. Gammino, Contractor.

Final Estimates—June 1, 1914.

Item 1:	3,895 cu. yds.	earth excavation .....	@	\$ 1.50	\$ 5,842.50
" 2:	560.9 "	" " rock excavation .....	@	4.00	2,243.60
" 3:	2,153.6 "	" " concrete masonry in screen house .....	@	9.00	19,382.40
" 4:	1,128.6 "	" " concrete masonry in sewer .....	@	5.50	6,207.30
" 5:	126,762 lbs.	steel reinforcing .....	@	.025	3,169.05
" 6:	18,000 "	structural steel .....	@	.07	1,260.00
" 7:	30.2 M. ft.	B. M. sheeting left in place .....	@	20.00	604.00
" 8:	404.3 cu. yds.	rubble sea wall .....	@	11.00	4,447.30
" 9:	1,336.5 sq. ft.	brick lining in boiler room .....	@	.30	400.95
					<hr/>
					\$43,557.10

## CONTRACTS LET DURING THE YEAR 1914 FOR WORK AND MATERIALS.

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### SCREEN STATION.

#### BUILDING.

January 8, 1914. J. W. Bishop Company, Providence, R. I.

Item 1: For the Screen House Superstructure complete, including chimney, and all appurtenances described in specifications or shown on plans, and all incidental work, the sum of \$31,864.00.

8 bids received.

#### SCREENS AND OPERATING APPARATUS.

June 24, 1914. P. F. Wood Boiler Co., New Bedford.

6 Screens, frames, gearing, chains and counterweights;  
.....\$6,444.00

3 bids received.

#### BOILERS.

March 2, 1914. P. F. Wood Boiler Co., New Bedford.

2 vertical fire-tube boilers, 150 horse-power each, flue connections, etc. ....\$3,844.00

1 bid received.

#### MOTORS AND SWITCHES.

June 27, 1914. General Electric Co., Boston, Mass.

3 3 horse-power motors..... \$247.00  
2 switches ..... 15.00

2 bids received. \$262.00

#### TURBO-GENERATOR.

March 11, 1914. Schumaker-Santry Co., Boston, Mass.

1 94 Kw turbo-generator and switchboard.....\$3,135.00

**FIRST STREET PUMPING STATION.****SEWAGE CHAMBER AND PUMP AND MOTOR CHAMBERS.**

July 22, 1914. J. W. Bishop Company, Providence, R. I.

Item 1:	700 cu. yds. earth excavation .....	@ \$ 2.54	\$1,778.00
" 2:	250 " " rock excavation .....	@ 6.47	1,617.50
" 3:	260 " " concrete masonry .....	@ 9.93	2,581.80
" 4:	7,600 lbs. steel reinforcing.....	@ .028	212.80
" 5:	81 sq. ft. vault light sidewalk.....	@ 2.53	204.93
" 6:	5,500 ft. B. M. lumber left in place.....	@ 26.00	143.00
<b>Total estimated amount of contract.....</b>			<b>\$6,538.03</b>

2 bids received.

**PUMPS AND MOTORS.**

July 9, 1914. Lawrence Pump & Engine Company, Lawrence, Mass.

2 8-inch centrifugal pumps and 2 direct connected vertical induction motors .....\$1,150.00

11 bids received.

**ELECTRIC CONTROL.**

July 23, 1914. General Electric Co., Boston, Mass.

Automatic switches, compensators, switchboard, wiring, etc., .....\$707.00

1 bid received.

**WIRING FOR LIGHTING SYSTEM.**

July 22, 1914. Buckley & Company, New Bedford.

Furnishing and installing conduits and wiring for lighting system.....\$89.00

3 bids received.

**VALVES.**

July 28, 1914. Chapman Valve Company, Boston, Mass.

Valves and stands.....\$176.90

3 bids received.

## STRUCTURAL STEEL.

August 12, 1914. W. E. Clark & Company, Boston, Mass.  
Hatchways, beams, etc. .... \$290.00  
3 bids received.

## PIPING.

August 13, 1914. New Bedford Boiler & Machine Co.,  
New Bedford.  
Cast iron specials. .... \$273.00  
4 bids received.

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## CLARKS COVE PUMPING STATION.

## PUMP AND MOTOR.

November 13, 1914. Alberger Pump & Condenser Co., Bos-  
ton, Mass.  
1 12-inch centrifugal pump and motor. .... \$1,130.00  
18 bids received.

## SWITCHBOARD.

November 30, 1914. Buckley & Company. New Bedford.  
Furnishing and installing switchboard, etc. .... \$393.00  
2 bids received.

## VALVES.

September 26, 1914. Chapman Valve Company. Boston,  
Mass.  
2 gate valves .... \$135.00  
3 bids received.

October 5, 1914. Crane Company, Boston, Mass.  
Furnishing valves and stand. .... \$151.77  
4 bids received.

## CAST IRON SPECIALS.

October 6, 1914. R. D. Wood & Co., Philadelphia, Pa.

6647 lbs. pipe specials @ 4½¢ per lb.....\$315.73

5 bids received.

## FORCE MAIN—COVE PUMPING STATION.

## CAST IRON PIPE.

September 26, 1914. Standard Cast Iron Pipe & Foundry  
Co., Bristol, Pa.

18" pipe 54.0545 tons @ \$20.25 per ton ....\$1,094.59

2 bends and

1 increaser 1335 lbs. @ .025 per pound.. 33.37

\$1,127.96

5 bids received.

## APPARATUS PURCHASED.

## CABLEWAY.

April 23, 1914. Carson Trench Machine Company, Boston,  
Mass.

1 Lidgerwood cableway, 400 feet between towers...\$1,900.00

Expenditures for Fiscal Year 1914 for Account of Construction of Intercepting Sewer.  
Chapter 474, Acts of 1910.

	Engineering and Inspection	Construction				Totals
		Construction Contracts	Material	Labor	Equipment	
Section 1	\$ 41.47		\$ 74.47			\$115.94
Section 2	430.33	\$11,444.08	77.65	\$186.03		12,138.09
Screen House	4,877.39	39,858.89	11,832.89	4,325.90		60,895.07
Pumping Station	800.04		2,283.57	799.87		3,883.48
First street						
Pumping Station	1,290.17	3,834.94	6,257.02	1,855.87		13,238.00
Section 3 †	45.86		1,001.76	51.00		1,098.62
Section 4 †	4,262.75		29,891.47	53,031.88	\$4,023.50	91,209.60
Section 5 †	1,353.19		5,204.65	11,514.72		18,072.56
Separate System						
Sewers †	1,971.45		12,189.40	24,111.91	29.00	38,301.76
Accident and Compensation				909.15		909.15
Totals	\$55,137.91	\$55,137.91	\$68,812.88	\$96,786.33	\$4,052.50	\$239,862.27

*Credit by Stone to crusher from Section 4.....	\$2,294.33
Old castings to McCullough Section 4.....	2.40
Stone to crusher from Section 5.....	52.06
Stone to crusher from separate system sewers.....	231.67
Net expenditures .....	\$237,281.81

† Work done by city day labor.

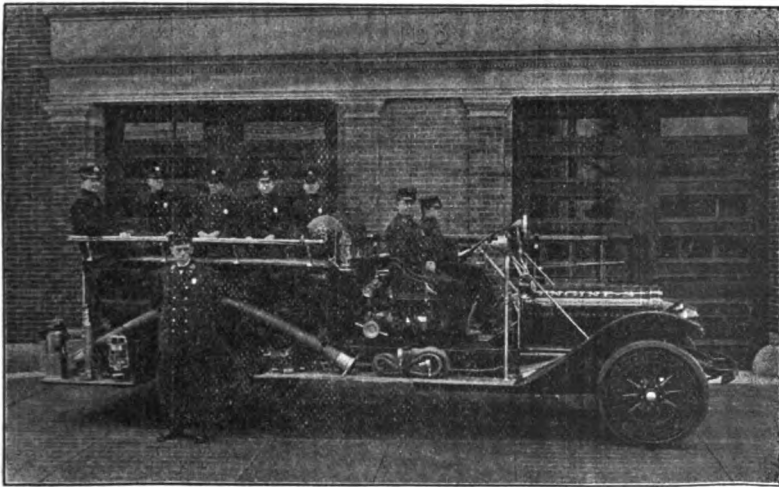
Expenditures for Account of Construction of Intercepting Sewer.  
Chapter 474, Acts of 1910  
Fiscal Years 1910, 1911, 1912, 1913 and 1914.

	Engineering and Inspection	Construction				Land	Totals
		Construction Contracts	Material	Labor	Equipment		
Preliminary investigation	\$4,240.44	\$7,405.80	\$56.82		\$146.20		\$4,240.44
Wharf	175.50	71,500.85	47,760.11				7,784.32
Outfall	5,278.11	89,202.99	2,828.34				124,539.07
Section 1	5,124.71	104,005.90	3,291.80	\$186.03			97,156.04
Section 2	7,405.92	13,665.65	11,463.29	1,095.74			114,889.65
Pumping Station	4,288.39	68,273.80	25,017.81	5,653.51		\$5,393.75	35,906.82
Screen House	12,646.36						111,591.48
First street							
Pumping Station	1,290.17	3,834.91	6,257.02	1,855.87			13,238.00
Section 3*	2,575.52		26,155.15	56,792.91	4,530.21		90,053.79
Section 4*	6,379.48		45,607.67	79,337.06	4,023.50		135,347.71
Section 5*	1,353.19		5,152.59	11,514.72			18,020.50
Separate system sewers*			20,696.99	47,523.32	29.00		71,151.55
Accident and Compensation	2,902.24			909.15			909.15
Totals	\$53,660.03	\$357,889.93	\$194,287.59	\$204,868.31	\$8,728.91	\$5,393.75	\$ 824,828.52

Balance to credit of account..... \$195,171.48

\*Work done by city day labor.

**Annual Report**  
**OF THE**  
**CHIEF ENGINEER**  
**OF THE**  
**FIRE DEPARTMENT**



**For the Year Ending Dec. 31, 1914.**

**EDWARD F. DAHILL, Chief Engineer.**



**COMMITTEE OF THE CITY COUNCIL  
ON  
FIRE DEPARTMENT.**

---

**ALDERMEN,**

**ROBERT C. SHERMAN,**  
Residence, 856 County Street.

**ALDEGE CHAUSSE,**  
Residence, 396 No. Front Street.

**COUNCILMEN,**

**MORTIMER McCARTY,**  
Residence, 87 Hazzard Street.

**SAMUEL A. PERCY,**  
Residence, 1086 Pleasant Street.

**SAMUEL A. GOODFELLOW,**  
Residence, 116 Hathaway Avenue.

**BOARD OF ENGINEERS.**

**CHIEF ENGINEER,**

**EDWARD F. DAHILL,**  
Residence, 11 Robeson Street.

**FIRST ASSISTANT ENGINEER,**

**JAMES J. DONAGHY,**  
Residence, 159 Washington Street.

**SECOND ASSISTANT ENGINEER,**

**WM. E. WATSON, Jr.,**  
Residence, 103 School Street.

**THIRD ASSISTANT ENGINEER,**

**FRANK R. PEASE,**  
Residence, 43 Willis Street.

**FOURTH ASSISTANT ENGINEER,**

**STEPHEN L. FINNELL,**  
Residence, 27 Locust Street.

**CLERK,**

**JOSEPH P. KENNEDY,**  
Residence, 15 Sherman Street.

## **CAPTAINS IN CHARGE OF STATIONS.**

**REPAIR SHOP, BEDFORD STREET,  
HARRY H. KIMBALL, Master Mechanic,  
Appointed October 15, 1912.**

**HEADQUARTERS, PURCHASE STREET,  
CHARLES S. WING, Telephone Operator,  
Appointed August 15, 1910.**

**STATION NUMBER ONE,  
JAMES L. HASKINS,  
Appointed April 1, 1897.**

**STATION NUMBER TWO,  
FRANK A. C. GREENE,  
Appointed May 22, 1907.**

**STATION NUMBER THREE,  
JAMES H. MAHONEY,  
December 31, 1914**

**STATION NUMBER FOUR,  
FREDERICK E. RICKETSON,  
Appointed August 15, 1910.**

**STATION NUMBER FIVE,  
THOMAS H. FORBES,  
Appointed April 1, 1897.**

**STATION NUMBER SIX,  
JOHN W. DONAGHY,  
Appointed April 1, 1897.**

**STATION NUMBER SEVEN,  
EDWARD H. COGGESHALL,  
Appointed April 26, 1910.**

**STATION NUMBER EIGHT,  
GEORGE H. COOK,  
Appointed April 1, 1897.**

**STATION NUMBER NINE,  
AMBROSE F. MERCHANT,  
Appointed Dec. 31, 1914.**

**STATION NUMBER TEN,  
REUBEN TABER,  
Appointed April 1, 1897.**

**STATION NUMBER ELEVEN,  
JERE T. HAGGERTY,  
Appointed October 19, 1908.**

**ASSISTANT MASTER MECHANIC,**

**LIEUT. JAMES H. DOWNEY,**

Appointed October 15, 1912.

Residence, 108 So. Sixth Street.

**ASSISTANT SUPERINTENDENT FIRE ALARM.**

**ROBERT E. ALLEN,**

Appointed March 26, 1913.

Residence 57 Bedford Street.

**ASSISTANT TELEPHONE OPERATOR,**

**LIEUT. JAMES T. WING,**

Appointed December 31, 1914,

Residence, 3 Green Street.

**DEPARTMENT LINEMEN,**

**HENRY LAMEY,**

Appointed March 12, 1912.

Residence 280 Kempton Street.

**MICHAEL HALLARAN,**

Appointed March 24, 1914.

Residence, 187 Earle Street.

**DEPARTMENT ENGINEERS,**

**JOHN H. BACKUS,**

Appointed March 13, 1910.

Residence, 71 Bonney Street.

**MILES L. FAY,**

Appointed September 21, 1913.

Residence 401 Orchard Street.

**DEPARTMENT MECHANICIAN,**

**GEORGE H. BAYLIES,**

Appointed March 13, 1910.

Residence, 111 Grinnell Street.

**DEPARTMENT DRIVER,**

**THOMAS F. BREAKELL,**

Appointed May 12, 1909.

Residence, 866 Rockdale Ave.

# REPORT.

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HEADQUARTERS FIRE DEPARTMENT,  
OFFICE OF CHIEF ENGINEER.

December 31, 1914.

*To the Honorable the City Council:*

GENTLEMEN:—I have the honor of submitting the annual report of the fire department for the year ending December 31, 1914, together with such recommendations as I deem necessary for increasing the efficiency of the department.

## APPARATUS.

We have in service the following :—

### HORSE DRAWN:

- 3 Second size Steam Fire Engines and Hose Wagons.
- 1 Combination Chemical and Hose Wagon.
- 1 Hose Wagon.
- 3 Aerial Hook and Ladder Trucks.
- 1 Fire Alarm Wagon.
- 6 Exercise and Coal Wagons.

### AUTOMOBILE:

- 1 Ahrens Fox Combination Engine and Hose Wagon.
- 1 Robinson                   "                   "                   "
- 1 Webb                       "                   "                   "
- 1 White                     "                   "                   "
- 3 Locomobile Combi'n Chemicals and Hose Wagons.
- 1 Locomobile Supply Car for Repair Department.
- 1 Locomobile Instruction Car.

## IN RESERVE

- 1 Combination Truck.
- 1 Ryan Truck.
- 5 Steam fire engines.
- 4 Wagons

## HORSES.

There are thirty-one horses in this department, mostly in good condition.

## HARNESSES.

There are nine sets for three horse hitches, twelve for two horse hitches and four single harnesses in good condition.

## HOSE.

There are 17,400 feet  $2\frac{1}{2}$  in. cotton rubber lined hose in good condition, 2000 feet should be added during the year.

## FIRE ALARM EQUIPMENT.

One 10 Circuit Automatic Repeater.

One 10 Circuit Switchboard Panel complete with Mili-ammeter, Volt-meter, Charging Relays, Testing Switches, Charging Banks with Lamps for resistance, and Switches for cutting in and cutting out Batteries from charging and lines.

One Fuse-board Panel with two sets of Fuses, Choke Coils, Switches to cut in Repeaters with Lines independent of Fuses, and single Knife Switches for cutting out Repeater from Lines.

440-Type B. T. Chloride Accumulator Storage Batteries.

## BOX EQUIPMENT.

169 Boxes of 4 Types.

Positive — Non-interfering — Successive.

Gardner — Nonpariel — Municipal.

## GONGS

Spring and weight types, 11 in number in service at the following locations:

Station No. 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 11.

Station No. 4 Combination with visual Indicator (Cousins)

Station No. 11      "      "      "      "      (Gamewell)

## **FIRE DEPARTMENT**

7

### **TAPPERS.**

Connected to Main Line and giving service other than Stations, 23 in number.

### **PUNCH REGISTERS.**

Five, Located at the following Stations, 2 - 5 - 7 - 10; and on Telephone Board at Headquarters. (Gamewell)

### **VISUAL INDICATORS**

Four, Located at the following Stations :

No. 4, Cousins.  
No. 6, Municipal.  
No. 8, "  
No. 11, Gamewell.

Stations without Registers or indicators are 1 - 3 - 9.

### **MACHINE STRIKERS**

Thirteen at the following locations, Station 1 - 6 - 7 - 8 - 9 - 11.

Cedar Grove Street School.  
High School  
Harrington School  
Pleasant Street Church  
Allen "  
Trinitarian "  
White "

### **AUXILIARY STATIONS**

Were installed in the plants of the following:

4 Morse Twist Drill & Machine Co.  
1 City Mfg. Corp.  
5 N. Y., N. H. & H. Cotton Sheds.  
5 " " " Freight Sheds, [inward and  
1 St. Mary's Home. outward.]

Boxes were installed in the past year in the following locations:

No. 38 Acushnet and Squin Avenues.  
" 386 Acushnet Ave. and Philips Road.  
" 49 Rockdale Ave. and Rogers St.  
" 732 Division and Crapo Sts.  
" 16 St. Luke's Hospital.

### **UNDERGROUND CABLE SYSTEM.**

There are 38000 feet of underground cable divided as follows:

1300 ft. - 32 wire.  
4800 " - 16 "  
1500 " - 14 "  
1400 " - 12 "  
2800 " - 10 "  
4200 " - 8 "  
4000 " - 4 "  
18000 " - 2 "

Underground Cable Test Box Terminals of the Banjo type located as follows 20 — in number,

Pleasant and William Streets.	
No. Second and "	"
" " " High	"
So. " " Spring	"
" " " Walnut	"
" " " Cannon	"
" " " South	"
" " " Blackmer	"
" " " Potomska	"
Blackmer and So. Water	"
Allen and County	"
High and Foster	"
Kempton and Summer	"
" " Cottage	"
Acushnet Ave. and Pearl Street.	
" " " Wamsutta	"
" " " Logan	"
" " " Washburn	"
" " " Coffin Ave.	
Purchase and Spring streets.	

Underground Fire Alarm Test Box Terminals as a Combination Post at the following locations:

Walnut and Seventh Sts.  
 Clinton and Orchard "  
 Acushnet Ave foot of Russell St.  
 So. Second and Howland Sts.  
 Allen and Dartmouth Sts.  
 Division and Water Sts.  
 Cove and So. Water Sts.  
 Maxfield St. and Acushnet Ave.  
 Willis and Purchase Sts.  
 Linden " "

Underground Fire Alarm Box Post without a Test Box located as follows:

Cedar and Kempton Sts.  
 Arnold and Ash "  
 Hawthorn and Page "

Underground Fire Alarm and Police Box Posts with Test Terminals in base of post at the following locations:

Kempton and County Sts.  
 Purchase and School "

#### AERIAL LINES

Consisting of 52 miles of No. 10 extra B.B. Galvanized Iron triple braid insulated Wire and 2000 ft. No. 14 Copper pair Wire. The above work on poles of the N. B. Gas and Electric Light Co., the So. Mass. Telephone Co. and the Automatic Telephone Co., using such position on Poles as will give 48 in. clearance from Light and Power Services.

Purchased 20 miles of No. 10 Galvanized Iron Wire extra B.B. with triple Braid insulation, and 200 six pin Cross Arms with Hardware for same.

Constructed 4½ miles of Line for the installation of 2 Boxes from Station No. 9 to Sassaquin, (10 miles to the loop).

Current changes on poles of the So. Mass. Telephone Co., Automatic Telephone Co. and N. B. Gas and Electric Light Co., in the reconstruction of the above, 5 miles of No. 10 Iron Wire and Hardware for same.

Abandoned 2 miles of overhead wires.

Aerial pair wire consisting of all circuits from Exchange in Mechanics Lane which came down during the Sherman Stable fire has been replaced with underground Cable.

Aerial Lines have been practically rebuilt with the exception of about 5 miles out of 52 miles.

#### SUB STATION AT NO. 9.

One 1 circuit Switch-board Panel complete with Mili-ammeter Volt-meter, Charging Relays, Testing Switches, Charging Banks with Lamps for resistance and Switches for cutting in and cutting out Batteries from charging and from Lines and Fuses and protection for Lines and charging current.

60 type B. T. Chloride Accumulator Storage Batteries.

2 Boxes

1 Positive non-interfering successive.

1 Nonpariel (Cole key breaks).

Fire Alarm Service on lines north of Station No. 9 is arranged so all alarms are auxiliarized from Station No. 9 to Headquarters over special lines.

The reason for this is so the general System would not be crippled in times of incipient fires from woodlands which are prevalent in that District.

#### IN CONJUNCTION WITH REPAIR DEPARTMENT.

There has been considerable work done at the department repair shop which has been a great saving to the Fire Department such as drawing plans, making patterns, fitting castings, drilling holes in slate panels, cutting bus bars, and assembling same, the use of their Machine Shop, Blacksmith Shop, Paint Shop and Department Automobile for transportation of men and stock to their work.



Minor changes have been made, the items of which are too numerous to mention here but daily work reports are on file at Headquarters.

### CONSTRUCTION OF UNDERGROUND

And such other work pertaining to the Fire Alarm Signal System in the year of 1914 as follows, Pulled in 15,400 feet of Cable,

1500 ft.	-	14	wire.
1400 "	-	12	"
2800 "	-	10	"
4200 "	-	8	"
4000 "	-	4	"
500 "	-	32	"
1000 "	-	6	"

into So. Mass. Telephone Co. and Automatic Telephone Co. conduits, spliced, bonded and connected same to terminals in underground Box Posts location given above.

The work above replaces 3000 ft. of condemned Cables, the balance used in extensions, alterations and repairs.

Rodded Conduits and left wire in same for drawing in Cable in So. Mass. Telephone Co. conduits on Acushnet Ave. from Pearl St. to Belleville Road and Kempton St., Chancerv St. to Rockdale Ave.

There has been 700 ft. of street surface disturbed for underground services.

Services for manholes to Box Posts locations as mentioned, as well as Linden St., connecting service from So. Mass. Telephone Co. manhole at Linden and Purchase Sts. to Automatic Telephone Co.'s manhole at Pleasant and Linden Sts., Automatic Telephone Co.'s manhole at Purchase and Potomska Sts. to Station No. 6. So. Mass. Telephone Co. manhole Purchase and Franklin to Station No. 1. Mechanics Lane from Central Engine House to Pleasant St. to replace overhead wires.

Station No. 6 has been connected to underground service with 8 wire Cable and all overhead wires have been taken down. Underground Conduits to Stations No. 1, No. 3 and No. 8 are complete with the exception of Cables.

#### Conduits used and sizes of same

Creosote	-	-	-	300 ft. 3 in.
Fibre	-	-	-	300 ft. 3 in.
"	-	-	-	20 ft. 4 in.
Iron	-	-	-	80 ft. 4 in.

## PENSION LIST.

Mrs. Mary M. Nelson, widow of Martin S. Nelson, was declared by the Industrial Accident Board to be entitled to the sum of ten dollars a week for three hundred weeks from June 21, 1914.

Capt. Loring T. Parlow, Engine Co. No. 2, who joined the department May 21, 1863, and

Capt. Francis P. Washburn, Engine Co. No. 9, who joined the department November 28, 1864, were retired December 31, 1914, under the provisions of Chapter 504, Acts of 1911.

The installation of motor engines has necessitated the disbandment of Engine Co. No. 8 and the creation of Engine Co. No. 10, and the disbandment of Engine Co. No. 2, and the creation of Engine Co. No. 3. The newly created companies are composed of permanent members entirely. This change in organization necessitated indefinite leaves of absence being granted to the following call members :

Robert McWhinnie,.....	Engine Co. No. 8
William McCann,.....	Engine Co. No. 8
John Watkinson,.....	Engine Co. No. 8
David A. Dexter,.....	Engine Co. No. 2
Obed S. Cowing,.....	Engine Co. No. 2
Frank Spooner,.....	Engine Co. No. 2
Herbert W. Bliss,.....	Engine Co. No. 2
Nicholas S. Davis,.....	Engine Co. No. 2

The organization of the department reported herein is as ordered by the Board of Engineers, December 31, 1914, to take effect January 10, 1915.

## FATALITY.

Miss Lucy S. Leach died from burns sustained May 31.

## DEATHS.

MARTIN S. NELSON, Engine Co. No. 5;  
died June 21, 1914;  
joined the department January 28, 1883.

PETER J. WARD, Hook and Ladder Co. No. 2;  
died August 8, 1914;  
joined the department December 8, 1908.

THOMAS C. LOWE, Reserve Force;  
died August 8, 1914;  
joined the department June 11, 1894.

JOHN WHITEHEAD, Engine Co. No. 1;  
died November 23, 1914;  
joined the department December 29, 1884.

JONATHAN C. ANDREWS, Engine Co. No. 7;  
died December 26, 1914;  
joined the department July 2, 1901.

## FINANCIAL STATEMENT.

## DR.

Appropriation.....	\$158,000.00	
Receipts .....	953.70	
		<u>\$158,953.70</u>

## CR.

Salaries, permanent force.....	\$111,350.50	
Salaries, call force.....	20,892.55	
Horse feed and bedding .....	4,763.91	
Supplies and furnishings .....	2,462.34	
Light .....	1,630.03	
Telephones.....	632.23	
Fire Alarm,.....	4,066.48	
Blacksmithing and shoeing, .....	789.72	
Apparatus repairs,.....	2,420.40	
Harness repairs.....	56.19	
Station repairs,.....	2,096.83	
Fuel,.....	2,840.43	
Horses and horse hire,.....	403.00	
Hose and couplings .....	1,481.84	
New apparatus,.....	1,527.55	
Committee Expenses.....	749.52	
Miscellaneous,.....	696.59	
	<u>\$158,860.11</u>	
Transfer, to balance,.....	93.59	<u><u>\$158,953.70</u></u>

## RECOMMENDATIONS

I respectfully renew the recommendations made by me in my last annual report with reference to a new central fire station, a new central office equipment for the fire alarm telegraph, and the conversion or replacement of all horse drawn apparatus with motor driven.

I recommend that the Assistant Engineers be supplied with runabout automobiles.

In connection with the recommendation to convert or replace all horsed apparatus in service at present, I respectfully submit the following estimate of the amount necessary to appropriate;

Changing three aerial trucks to motor driven ....	\$16,500.00
Changing one Combination truck to motor drive and increasing the equipment.....	1,000.00
Replacing three steam fire engines with Combination Motor Engines and Hose wagons...	18,000.00
Replacing Hose No. 6 with Motor Engine and Hose wagon.....	6,000.00
Four runabouts for Chief and three Assistants...	4,000.00
One light motor truck for Fire Alarm work.....	500.00
	<hr/>
	\$46,000.00

This amount should be credited with the proceeds of the sale of thirty horses and harnesses that are in good condition. The above schedule provides for motorizing and installing a combination chemical, hose and service truck at the north part of the city. If this recommendation is carried out the efficiency of the department will be greatly increased and a substantial saving effected in cost of maintenance.

Respectfully submitted,

EDWARD F. DAHILL,  
Chief Engineer.

## THE NEW BEDFORD PROTECTING SOCIETY.

1914—1915

## PRESIDENT :

CHAS. S. KELLEY, JR.

## DIRECTORS.

HENRY S. HUTCHINSON	F. OSCAR COVILL
THOMAS B. AKIN	F. P. R. PATTERSON
CHAS. S. BAYLIES	JOSEPH F. CORNWELL.
EDWARD B. ROBBINS	

## SECRETARY AND TREASURER :

CHESTER P. REXFORD

Allen, Geo. H. H.	Mendelson, Hyman
Bates, Clarence A.	Tuell, Clifton P.
Webber, James A.	Watson, Edwin M.
Swift, Horace W.	Makin, Henry J.
Blair, John K.	Parker, David L.
Dawe, William C.	Perry, Samuel H.
Bonneau, F. A.	Pitman, William H.
Bourne, Williams S.	Porier, Aime J.
Brightman, Harry C.	Potter, William F.
Brooks, Arthur T.	Oesting, Edward A.
Coe, I. H., Jr.	Olivier, Geo. L.
Coggeshall, R. C. P.	Oman, Charles E.
Brooks, Andrew J.	Smith, Nat. C.
Williams, Thos. W.	Richardson, Louis H.
Knowles, Jos. F.	Francis, Arthur S.
Delano, Arthur D.	Phillips, William C.
Francis, James P.	Robinson, Wm. A., Jr.
Covill, Clarence W.	Sharples, Charles S.
Gifford, Frank H.	Sharples, Arthur
Gifford, Thos. J.	Smith, Alex. T.
Boucher, Ernest H.	Dunham, Otis M.
McDonald, Henry J.	Sullivan, D. J.
Howard, Henry, Jr.	Sears, Louis A.
Howland, John J.	Taber, Frederic H.
Humphrey, Jas. L., Jr.	Taylor, Wm. T.
Taber, George C.	Wagner, Isaiah C.
Knowles, Henry S.	Jason, Alonzo V., Jr
Lewis, Edgar R.	Wood, Horace
Macy, Frederick B.	Burke, Harry
Macy, George I.	Shaw, John C.
Macy, J. Roland	Butler, Morgan
Manchester, P. F.	Whittemore, Harry F.

# REPORT OF ALARMS, LOSSES AND INSURANCE FOR THE YEAR 1914.

Month	--Alarms--		--Damage--		--Insurance--	
	Bell	Still	Buildings	Contents	Buildings	Contents
January	27	39	\$4,943.02	\$4,778.06	\$56,700.00	\$16,400.00
February	14	36	8,988.77	6,279.79	44,800.00	20,900.00
March	13	24	1,515.00	1,673.81	49,600.00	12,500.00
April	12	26	980.00	2,300.00	13,700.00	4,200.00
May	30	36	10,412.48	4,759.65	54,200.00	11,050.00
June	26	39	24,200.01	27,500.55	139,450.00	64,250.00
July	18	22	1,710.41	3,840.30	23,000.00	16,650.00
August	14	14	12,476.16	34,553.94	98,300.00	154,450.00
September	19	26	526.76	529.50	37,925.00	6,300.00
October	24	39	4,936.82	37,294.60	172,900.00	8,337.50
November	18	24	2,448.25	2,489.68	61,900.00	8,200.00
December	24	24	7,500.48	5,896.68	73,714.00	16,650.00
	239	349	\$80,638.16	\$131,896.56	\$826,189.00	\$339,887.50

Total reported loss.....\$ 212,534.72  
Total reported insurance.....1,166,076.50

## NO SIGNAL FIRES, 1914

Damage to buildings,	\$ 549.09
Damage to contents,	2,116.41
Total loss reported,	\$2,665.50
Insurance on buildings,	\$185,300.00
Insurance on contents	164,294.00
Total insurance reported,	\$349,594.00

# FIRE ALARM TELEGRAPH, 1914.

SUPERINTENDENT

EDWARD F. DAHILL, Chief Engineer.

Assistant Superintendent

ROBERT E. ALLEN.

## LOCATION-OF SIGNAL BOXES.

### PRIVATE BOXES.

112 Pairpoint Corp.  
 113 Quissett Mill  
 114 City Mills  
 115 Potomska Mills  
 116 Acushnet Mills  
 117 Hathaway Mills  
 118 Dartmouth Mills  
 12 Butler Mill  
 122 Holmes Mill  
 124 Booth Mill  
 125 Kilburn Mill  
 13 Page Mill  
 131 Gosnold Mills  
 132 Rotch Mills  
 133 Sharp Mill  
 14 Morse T. D. & M. Co.  
 141 Frank L. Young Co.  
 142 N.B. Gas & Ed.Lt.Co., Water St.  
 143 N. E. Steamship Co.,  
 144 N. E. Telephone & Telegraph Co.  
 145 U. S. R. R. Co., Power House  
 146 U. S. R. R. Co., Popes Island  
 15 N. B. Cordage Co.  
 16 St. Lukes Hospital  
 21 E. E. Taylor Shoe Co.  
 211 N. B. Spinning Co.  
 212 Wamsutta Mills  
 213 Grinnell Mill  
 214 Bristol Mill  
 215 Columbia Mills  
 216 Pierce Mills  
 217 Bennett Mills  
 218 Soule Mill  
 221 Whitman Mills  
 223 Manomet Mills  
 224 Nashawena Mills  
 225 Nonquit Mill

23 Neild Mill  
 231 Pierce Bros. Ltd. Mill  
 232 Taber Mill  
 233 N. B. Cotton Mills  
 234 Beacon Mills  
 24 U. S. R. R. Co., Weld St.  
 241 Snell & Simpson  
 242 Smith Bros. Brewery  
 243 N. B. Warehouse  
 244 Dawson's Brewery  
 245 Old Colony Box Co.  
 25 A. L. Blackmer Co.  
 251 N. B. Copper Co.  
 252 Z. B. Davis Corp.  
 253 Freight House, Pearl St.  
 254 Freight House, Willis St.  
 255 Railroad Engine House

### PUBLIC BOXES.

3 Lunds Corner  
 31 Acushnet Av. and Wood St.  
 311 Acushnet Av. and Perry St.  
 313 Acushnet Av. and Belleville Rd.  
 315 Howard Av. and River Rd.  
 316 Belleville Av. and Covell St.  
 317 Belleville Av. and Hope St.  
 323 Bowditch and Shaw Sts.  
 324 Nash Rd. and Bowditch St.  
 334 Nash Rd. and Church St.  
 363 Shawmut Av. and Plainville Rd.  
 38 Acushnet and Squin Avs.  
 386 Acushnet Av. and Phillips Rd.  
 4 Tinkham Av. and North Front St.  
 41 Hathaway Av. and Diman St.  
 411 Belleville Av. and Davis St.  
 412 Acushnet Av. and Davis St.  
 413 Bowditch St. and Coffin Avs.  
 414 Coffin Av. and No. Front St.



- 415 Belleville and Coffin Avs.  
 416 Acushnet Av. and Bullard St.  
 42 Belleville Av. and Nye St.  
 421 Tallman and Bowditch Sts.  
 422 Acushnet Av. and Sawyer St.  
 423 Holly and North Front Sts.  
 43 Acushnet Av. S. of Coggeshall St.  
 431 Belleville Av. and Coggeshall St.  
 432 Cedar Grove and North Front Sts.  
 433 Bowditch and Weld Sts.  
 434 Hicks St., east of Howe St.  
 441 Brook and Earl Sts.  
 452 Mt. Pleasant St., near Reservoir  
 46 Sawyer and County Sts.  
 461 Coggeshall and Reynolds Sts.  
 462 Purchase and Cedar Grove Sts.  
 463 County and Clark Sts.  
 464 Myrtle and Clark Sts.  
 47 Purchase and Linden Sts.  
 471 County and Linden Sts.  
 472 Cottage and Durfee Sts.  
 48 Shawmut Av. and Durfee St.  
 482 Shawmut Av. and Grand St.  
 484 Shawmut Av. and Hathaway Rd.  
 49 Rockdale Av. and Rogers St.  
  
 5 Hazzard and State Sts.  
 51 Purchase and Franklin Sts.  
 511 County and Pearl Sts.  
 512 Purchase and Willis Sts.  
 513 Acushnet Av. and Maxfield St.  
 514 Sycamore and State Sts.  
 52 Merrimac and Summer Sts.  
 521 Cedar and Locust Sts.  
 523 Shawmut Av. and Parker St.  
 524 Smith and Cedar Sts.  
 53 Kempton and Liberty Sts.  
 531 Kempton and Florence Sts.  
 532 Kempton and Reed Sts.  
 533 Kempton and Jenny Lind Sts.  
 54 Purchase and North Sts.  
 541 Water and North Sts.  
 542 Water and Middle Sts.  
 543 Fish Island  
 544 Rodman and Front Sts.  
 551 County and Hillman Sts.  
 552 County and Kempton Sts.  
 553 Purchase St. and Mechanics Lane  
 56 Union and Eight Sts.  
 561 Union St. and Acushnet Av.  
 562 Union and Water Sts.  
 57 Hillman and Ash Sts.  
 58 Kempton and Cedar Sts.  
 581 Court and Cedar Sts.  
  
 582 Union and Park Sts.  
 59 Court and James St.  
  
 6 Purchase and School Sts.  
 61 Pleasant and Madison Sts.  
 611 Walnut and Seventh Sts.  
 612 Walnut and Water Sts.  
 613 Water and Coffin Sts.  
 614 Water and Leonard Sts.  
 615 Cannon and Second Sts.  
 616 Bedford and Sixth Sts.  
 62 Allen and Dartmouth Sts.  
 621 Allen and Page Sts.  
 622 Allen and Brigham Sts.  
 623 Bedford and Borden Sts.  
 63 Hawthorn and Page Sts.  
 64 Orchard and Clinton Sts.  
 641 Arnold and Ash Sts.  
 642 Arnold and Rotch Sts.  
  
 7 Howland and Second Sts.  
 71 Water and South Sts.  
 711 Purchase and Potomska Sts.  
 712 Water and Rivet Sts.  
 713 Water and Division Sts.  
 714 Water and Co e Sts.  
 72 County and Grinnell Sts.  
 721 Rockland and Hall Sts.  
 722 Orchard and Fair Sts.  
 723 County and Mosher Sts.  
 73 Crapo and Rivet Sts.  
 731 Rivet St. and Bolton Rd.  
 732 Crapo and Division Sts.  
 74 Dartmouth and Rockland Sts.  
 741 Dartmouth and Dunbar Sts.  
  
 8 Almshouse  
 81 Brock Av. and Capitol St.  
 811 Brock Av. and Butler St.  
 812 Brock Av. and Mott St.  
 813 Rush Av. and Salisbury St.  
 821 West French Av. and Willard St.  
 83 East French Av. and Cove St.

### Special Signals.

- 121 struck twice, General Alarm.  
 22 struck once, summons Truck No. 1.  
 33 struck once, summons Truck No. 2.  
 44 struck once, summons Truck No. 3.  
 22 struck twice, No School Signal.  
 2-2-2 struck four times, Police Call.  
 10 blows, struck twice, Military Call.  
 15 blows, struck twice, Naval Reserve Call.

## HOSE COMPANY No. 1.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Oct. 31, 1882	85	Frank A. C. Greene	Captain	Station No. 2	Fireman
Nov. 14, 1894	83	Frank A. Lewis	Lieutenant	207 Court St.	"
May 5, 1901	81	Horace S. Bennett	Hoseman	Station No. 2	"
May 1, 1910	82	William S. Gatenby	Hoseman	27 Pierce St.	"
May 25, 1903	80	Frederick R. Symons	Hoseman	480 Acushnet Av.	"
Jan. 10, 1914	79	Frank J. Nicklas	Hoseman	420 Purchase St.	"
March 7, 1911	84	Arthur E. Souza	Chauffeur	152 North St.	"

## HOSE COMPANY No. 2.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
May 5, 1884	185	George H. Cook	Captain	280 Earle St.	Fireman
May 1, 1910	186	John J. Mahon	Lieutenant	81 Myrtle St.	"
Nov. 17, 1913		Frederick G. Gifford	Chauffeur	198 Tinkham Av.	"
Dec. 1, 1894	189	Antonio M. Lemos	Hoseman	176 Davis St.	"
Oct. 26, 1903	191	Frank N. Cleveland	Hoseman	217 Phillips Av.	"
Nov. 1, 1910	192	Thomas Wooley, Jr.	Hoseman	42 Fair St.	"
Dec. 15, 1912	193	Michael J. Melia	Hoseman	211 Hathaway St.	"

## HOSE COMPANY No. 3.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
April 22, 1896	268	Chas. P. Johnson	Captain	489 Acushnet Ave.	Carpenter
Jan. 13, 1896	265	Arthur C. Smith	Lieut.	39 Bedford St.	Electrician
Sept. 14, 1903	263	Wilfred L. Bacon	Clerk	42 Summer St.	Plumber
Jan. 12, 1892	266	Henry A. Sherman	Hoseman	51 Russell St.	Blacksmith
May 19, 1896	262	Chas. E. Thomas	"	42 Liberty St.	Carpenter
Feb. 16, 1888	264	Frank C. Jennings	"	81 Allen St.	Clerk
Mar. 7, 1911	267	Peter Lambert	"	19 Seventh St.	Fireman
April 25, 1892	260	Charles W. Allen	Driver	86 High St.	"

## HOSE COMPANY No. 4

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Sept. 1, 1888	270	Jeremiah T. Haggerty	Captain	90 David St.	Fireman
Aug. 10, 1909	272	James Doran	Lieut.	236 Purchase St.	"
Dec. 9, 1894	271	Frederick E. Mosher	Hoseman	37 Woodlawn Ave.	"
March 10, 1908	273	John Wooley	"	111 David St.	"
Jan. 4, 1900	275	Richard F. Burke	"	27 Viall St.	"
Aug. 11, 1908	276	James Saunderson, Jr.	"	57 Ellen St.	"
Sept. 8, 1908	274	Allan L. Phillips	Chauffeur	127 Mt. Vernon St.	"

## HOSE COMPANY No. 6.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
April 5, 1889	138	John W. Donaghy	Captain	39 Crapo St.	Fireman
Oct. 31, 1882	136	N. Herbert Greene	Driver	58 Bedford St.	"
Jan. 1, 1893	124	George H. Whelan	Hoseman	224 County St.	"
Oct. 19, 1908	132	John McQuilkin, Jr.	"	451 Orchard St.	"
Oct. 19, 1908	131	William J. Gibbs, Jr.	"	102 Purchase St.	"
Oct. 1, 1902	123	Frank T. Cooke	"	144 Purchase St.	"
Sept. 11, 1906	134	Henry L. Burding	"	151 Rockland St.	"
Feb. 11, 1908	125	John Sylvia	"	405 So. Orchard St.	"

## ENGINE COMPANY No. 1.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
April 24, 1893	10	James L. Haskins	Captain	1530 Purchase St.	Fireman
July 28, 1890	16	Charles H. Thomas	1st. Lieut.	663 Cottage St.	Rollcoverer
July 30, 1894	13	Herbert C. Gifford	2nd. Lieut.	75 Maxfield St.	Foreman
May 25, 1895	6	Law'ce T. Woolfenden	Clerk	6 Studley St.	Shoe dealer
Feb. 26, 1900	15	George Palmer	Hoseman	61 Myrtle St.	Machinist
July 28, 1902	14	William F. Thomas	"	Mt. Pleasant lane	Ice dealer
July 25, 1904	11	Sidney S. Fisher	"	6 Franklin St.	Shipping Clerk
Dec 3, 1888	12	Bartholomew P. Fury	"	130 Willis St.	Clerk
Jan. 14, 1908	9	William D. Flagg	"	5 Warwick St.	Firemen
Sept 1, 1901	8	Hyman Mechaber	"	87 Kenyon St.	Merchant.
Aug. 3, 1903	19	George H. Dunham	"	1519 Purchase St.	Carpenter
Mar. 1, 1901	20	Joseph L. Crowley	Engineer	252 Chestnut St.	Fireman
Feb. 2, 1902	22	Oscar S. Hammond	Stoker	319 Cottage St.	Carpenter
June 9, 1894	21	Edward F. A. Cowen	Driver	1196 Pleasant St.	Fireman
Dec. 1, 1894	23	William H. Young	"	253 Chestnut St.	"
Dec. 15, 1912	22	George T. Davis	"	81 Thomas St.	"

## ENGINE COMPANY No. 3.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
May 1, 1896	40	James H. Mahoney	Captain	109 Durfee St.	Fireman
May 1, 1910	41	Frederick A. Stowell	Lieutenant	25 Ashland Place	"
April 28, 1892	37	William R. Moore	Hoseman	69 Round St.	"
Jan. 8, 1907	28	Ernest G. S. Teachman	"	360 Reed St.	"
May 1, 1910	32	John R. Walsh	"	136 Florence St.	"
Oct. 23, 1906	24	James S. Cooke	"	30 Buttonwood St.	"
July 11, 1904	34	Frank R. Riley	"	162 Chancery St.	"
Dec. 8, 1908	38	Peter Hebert	Chauffeur	1521 Purchase St.	"

## ENGINE COMPANY No. 4.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Oct. 4, 1897	44	Fred E. Ricketson	Captain	111 High St.	Fireman
Aug. 29, 1904	59	William N. Whelan	Lieut.	143 Pleasant St.	"
Dec. 30, 1895	51	John E. Joseph	Hoseman	97 S. Sixth St.	"
May 28, 1894	45	Louis A. Vierick	"	111 Grinnell St.	"
Oct. 26, 1903	54	Frank H. Vincent	"	117 Grinnell St.	"
Aug. 10, 1909	56	Walter H. Merchant, Jr	Chauffeur	61 Bay St.	"
May 1, 1910	48	Norman S. Dyer	Hoseman	42 Bedford St.	"
July 13, 1908	55	Edward A. Pollock	"	156 Grinnell St.	"
Oct. 7, 1913	42	Joseph E. Freitas	"	71 Acushnet Ave.	"
Oct. 19, 1908	57	Edward F. Wood	"	35 Crapo St.	"

## ENGINE COMPANY No. 5.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Dec. 31, 1888	70	Thomas H. Forbes	Captain	120 Chestnut St.	Fireman
Dec. 28, 1891	73	Ernest L. Soule	1st. Lieut.	90 Hillman St.	Wood- worker
Mar. 27, 1899	65	William C. Coon	2nd. Lieut	69 Foster St.	Painter
Oct. 1, 1885	63	Joseph C. Forbes	Clerk	299 Chancery St.	Clerk
Sept. 30, 1890	77	Charles A. Haskins	Hoseman	2237 Acushnet Av.	Fireman
Sept. 30, 1890	68	Thomas N. Meyer	"	219 Kempton St.	Carpenter
Dec. 31, 1894	66	Charles H. Bowman	"	94 Middle St.	Teamster
April 29, 1895	72	Louis H. Almy	"	183 Chancery St.	Printer
July 31, 1899	64	Samuel E. Gabriel	"	463 Cottage St.	Janitor
July 9, 1907	69	Ernest Allen	"	21 Chestnut St.	Harness Maker
April 26, 1907	60	Egbert G. Bullard	Substitute	139 Hillman St.	Architect
Jan. 14, 1908	71	Frederick A. Blossom	Hoseman	37 Buttonwood St.	Wood Worker
Mar. 10, 1884	74	Benj. C. Groves	Engineer	6 Foster St.	Fireman
Mar. 1, 1882	76	Charles W. Jones	Stoker	66 Mill St.	Contractor
May 9, 1905	75	Edward J. Bly	Driver	104 Smith St.	Fireman
Feb. 1, 1893	61	Frank B. Chadwick	"	247 Hillman St.	On sick leave
Feb. 3, 1903	62	Charles H. Lawrence	Driver	171 Kempton	Driver
July 1, 1896	61	William L. Dufree	"	144 Mill St.	"

## ENGINE COMPANY No. 7.

Date of joining dept.	No. of badge	Name	Rank	Residence	Occupation
Sept. 1, 1890	205	Edward H. Coggeshall	Captain	13 Collins St.	Fireman
Sept. 1, 1890	204	Edward H. Booth	1st. Lieut.	1 Vine St	Retired
Sept. 1, 1890	206	John H. Ryan	2nd. Lieut.	563 Cottage St.	Sealer of weights & measures
Jan. 3, 1893	195	John N. O'Brien	Clerk	101 Robeson St.	Merchant
Sept. 1, 1890	209	Charles A. Galligan	Hoseman	36 Pearl St.	"
Sept. 1, 1890	207	John D. Manseau	"	30 Durfee St.	Laborer
Sept. 1, 1890	203	Geo. A. Bosworth	"	674 Cottage St.	Contractor
Dec. 11, 1894	196	William Simister	"	Trinity St.	Merchant
Aug. 2, 1904	197	James F. Collins	"	18 Trinity St.	Plumber
April 5, 1897	210	Edward L. Wilson	"	61 Durfee St.	Painter
Mar. 12, 1907	211	Joseph H. Gurl	Substitute	Highland St.	Teamster
June 10, 1908	198	Paul Gagne	"	438 Summer St.	"
Mar. 1, 1901	199	Henry Leeming	Engineer	652 Cottage St.	Fireman
Sept. 1, 1890	202	Andrew W. Tripp	Stoker	45 Durfee St.	Shoemaker
Sept. 1, 1890	200	William H. H. S. King	Driver	15 East Durfee St.	Fireman
June 11, 1907	212	George Pierce, Jr.	"	135 Robeson St.	"
June 1, 1907	215	Manuel Brown	"	41 Pierce St.	"
Jan. 12, 1892	201	George W. Haskins	"	18 Studley St.	"



## ENGINE COMPANY No. 9.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Mar. 7, 1901	146	Ambrose F. Merchant	Captain	Pond St.	Fireman
April 2, 1895	148	William J. Moore	Lieut.	154 Rockland St.	Fireman
Sept. 24, 1900	159	Frank E. Washburn	Clerk	2443 Acushnet Ave	Carpenter
Nov. 10, 1908	149	Albert Crossley	Chauffeur	1034 Phillips Road	Fireman
Dec. 14, 1878	160	Herbert M. Spooner	Hoseman	Main St.	Laborer
Sept. 3, 1883	151	John G. Whalon	"	906 Belleville Ave.	Grocer
May 31, 1892	157	Walter H. Darling	"	2444 Acushnet Ave.	Foreman
June 1, 1907	150	Horace A. Bird	"	920 Belleville Ave.	Fireman
Dec. 6, 1886	145	John F. Parker	"	924 Belleville Ave.	Fireman

## ENGINE COMPANY No. 10.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Dec. 13, 1888	241	Reuben Taber	Captain	1005 County St.	Fireman
Nov. 1, 1910	242	John H. McDonald	Lieut.	43 State St.	"
Dec. 12, 1893	244	Arthur R. McDonald	Hoseman	427 Cedar Grove St.	"
Oct. 19, 1908	246	William F. McDonald	"	130 Myrtle St.	"
May 9, 1905	248	Joseph A. Mahoney	"	508 Cottage St.	"
Dec. 18, 1894	245	John T. Conway	"	258 Cedar Grove St.	"
Oct. 1, 1895	243	John E. Murphy	"	209 Cedar Grove St.	"
Nov. 23, 1913	249	Thomas J. Summers	"	146 State St.	"
Nov. 21, 1913		Charles J. Calnan	"	200 Weld St.	"
Nov. 1, 1910	247	Philip J. Prevost	Chauffeur	Station No. 10	"

## HOOK AND LADDER COMPANY No. 1.

Date of Joining Dept	No. of badge	Name	Rank	Residence	Occupation
June 24, 1883	105	Edward D. Francis	Captain	86 Kempton St.	Shoemaker
July 10, 1906	86	Harry A. Francis	1st. Lieut.	86 Kempton St.	Shoemaker
Nov. 29, 1886	103	Alfred M. Gifford	2nd Lieut.	94 Maxfield St.	Teamster
Feb. 1, 1897	89	David A. Cobb	Clerk	379 Elm St.	Painter
Jan. 1, 1900	107	Edward F. Magrath	Ladderman	228 Mill St.	Janitor
May 19, 1896	100	John P. Thompson	"	120 High St.	Painter
April 26, 1897	106	William F. Wilcox	"	7 North St.	Hostler
April 29, 1901	101	Edward L. Moriarty	"	387 Park St.	Merchant
July 2, 1894	104	Harrie B. Jennings	"	349 Reed St.	Salesman
Mar. 10, 1908	102	Walter H. Peirce	"	304 Kempton St.	Stable Keeper
Sept. 3, 1907	95	Charles E. Carroll	"	247 Middle St.	Gas Foreman
Jan. 14 1908	87	Wm. E. Russell	Driver	130 Mill St.	Fireman
Feb. 13, 1895	97	Isaac R. Allen	Tillerman	120 High St.	"
Dec. 5, 1887	92	Geo. S. Allen	Driver	297 Acushnet Ave.	"
Jan. 1, 1895	98	Edward C. Neagus, Jr.	"	93 Park St.	"

## HOOK AND LADDER COMPANY No. 2.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Sept. 8, 1893	176	Edmund M. Murphy	Captain	168 Austin St.	Clerk
Sept. 1, 1892	174	C. Henry McCarthy	1st Lieut.	87 Hazard St.	Foreman
April 14, 1908	172	Edward T. Mahoney	2nd Lieut	508 Cottage St.	Druggist
Sept. 1, 1888	180	Peter F. Sullivan	Clerk	328 Cedar St.	Book keeper
Dec. 1, 1894	251	Daniel S. Considine	Ladderman	171 Davis St.	Merchant
Nov. 3, 1897	243	Michael E. Daley	"	238 Collette St.	Contractor
Jan. 27, 1902	249	Timothy J. O'Brien	"	250 Davis St.	Watchman
June 12, 1906	248	George Entwhistle	"	1089 Acushnet Av.	Laborer
July 31, 1893	241	John Woolfenden	"	69 Deane St.	Retired
Nov 10, 1908	252	Joseph Z. Boucher	"	253 Collette St.	Agent
Mar. 30, 1896	244	Thomas Walmsley	"	158 Davis St.	Clerk
Jan. 10, 1911	178	Onat A. Chausse	Substitute	230 Coffin Ave.	Clerk
April 22, 1896	167	Charles E. Robertson	Tillerman	238 Pleasant St.	Fireman
Mar. 1, 1892	173	William Sellecks	Driver	18 Peckham St.	"
Dec. 13, 1898	171	John H. Galligan	"	62 Durfee St.	"

## HOOK AND LADDER COMPANY No. 3.

Date of Joining Dept.	No. of badge	Name	Rank	Residence	Occupation
Dec. 15, 1892	232	Charles E. Greene	1st. Lieut.	77 Dartmouth St.	Fireman
Nov. 1, 1891	218	John O'Neil	2nd. Lieut.	327 County St.	Glasscutter
May 3, 1904	227	Chas. A. McAvoy	Clerk	25 Welcome St.	Merchant
Nov. 1, 1891	219	Daniel E. Nelson	Ladderman	111 County St.	Mason
Nov. 1, 1891	222	Henry R. Lindsey	"	211 County St.	Carpenter
Aug. 13, 1904	233	Michael Quinn	"	103 Rockland St.	Laborer
June 5, 1899	224	Owen J. Dowd	"	1039 S. Water St.	Barber
Oct. 31, 1882	221	Marshall S. Greene	"	233 Rivet St.	Mason
Oct. 31, 1882	228	Frederick S. Nelson	"	43 Sherman St.	Mason
Jan. 13, 1898	229	F. C. Edmondson	"	32 Winsor St.	Grinder
July 9, 1907	230	William Butler	"	2 Sears St.	Merchant
Sept. 12, 1905	220	Edgar F. Howland	"	181 Grinnell St.	Rigger
May 4, 1899	234	William C. De Mello	"	211 Acushnet Ave.	Foreman
May 21, 1911	226	John E. McDonald	Tillerman	149 Bonney St.	Fireman
Aug. 1, 1898	231	Alfred R. Morse, Jr.	Driver	23 North St	"

# RECORD OF SIGNAL FIRES—JANUARY, 1914.

Date	Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
1	12.54 a m	72	216 Chancery st	Caroline Hill	Caroline Hill	Dwelling	Wood	False alarm				
2	2.30 p m	Still	79 Bedford st	Geo. Moss	Mike Wojtoszewski	Grocery	Wood	Burning soot	248.52	88.61	3,000.00	1,000.00
3	3.09 a m	712	874½ So Water st	E E Taylor Shoe Co	E E Taylor Shoe Co	Shoe factory	Wood	Tea kettle adre				
4	10.25 a m	616	475 Acushnet av	I L Ashley	Mrs. Pittsley	Dwelling	Wood	Match accident				
5	3.42 p m	21	8 Hawes lane	Mr. Sherman	Lydia Pollard	Dwelling	Wood	Overheated stove				
6	1.51 p m	58	317 Middle st	Wamsutta Mills		Coal storage	Wood	Careless smoker				
7	7.02 a m	Still	Wamsutta wharf	Geo Chase	Jacintho Campros	Dwelling	Wood	Candles on altar	50.00	5.00		
8	6.58 p m	71	344 So Water st	Mrs. Marshall	Mrs. Sylvia	Dwelling	Wood	Candles on altar	5.00	10.00		
9	6.38 p m	Still	203 Purchase st	Norris Lipson	Morris Lipson	Dwelling	W & C	Overheated furnace	50.00	10.00		
10	8.55 a m	Still	395 Cedar Grove st	N B A T Asso.	N B A T Asso.	Sanatorium	Wood	Coal fire				
11	8.05 p m	4	Acushnet av, north	A Gaudette	U St Pierre	Dwelling	Wood	Child and match				
12	8.38 a m	47	305 No Front st	Smith Bros	Philip Brittin	Dwelling	Wood	Oil on range				
13	10.04 a m	Still	1819 Purchase st	Laura Boucher	Nathan Cohen	Barn	Wood	Burning dump	150.00	225.00		400.00
14	3.35 p m	432	222 a m	Est. Geo S Homer	Jacob Fleisher	Tailor shop	Brick	Burning dump				
15	4.58 p m	Still	Myrtle & Sawyer sts	Est Wm Sawyer	Mrs. Gordon	Dwelling	Wood	Back draft				
16	8.27 a m	Still	356 Acushnet av	Owen J Dowd	V Lebarge	Dwelling	Wood	Lamp accident	30.00	25.50	1,500.00	200.00
17	5.15 p m	Still	45 Scamore st	V Lebarge	A Piper	Dwelling	Wood	Burning soot				
18	10.04 p m	Still	790 So First st	H B Jennings	Chas J Tanner	Dwelling	Wood	Thawing water pipe				
19	6.53 a m	Still	103 Belleville rd	David Grew	J Singer	Dwelling	Wood	Defective chimney	1,500.00	1,000.00	2,000.00	1,000.00
20	7.40 a m	Still	1299 Purchase st	P O Leary	Mrs. Kirby	Dwelling	Wood	Water front on range				
21	8.25 a m	Still	(808 W. Elm st	John Watson	H O Kirby	Dwelling	Wood	Burning soot	50.00		12,000.00	
22	8.27 a m	532	Hathaway rd	H C Kirby	John A Smith	Dwelling	Wood	Thawing water pipe	10.00			
23	10.45 a m	Still	935 Acushnet av	John A Smith	John A Smith	Dwelling	Wood	Unusual smoke	25.00	50.00	1,000.00	500.00
24	11.35 a m	Still	271 Austin st	Est James Lowe	Mary Jordan	Dwelling	Wood	Stove accident				
25	11.56 a m	Still	Sixth & Walnut sts	Chas F Chase	H Marcotte	Dwelling	Wood	Thawing water pipe	100.00	1,020.50	400.00	1,100.00
26	1.41 p m	Still	86 Bay st	Chas F Chase	H Marcotte	Dwelling	Wood	Overheated stove	1,000.00			
27	4.20 p m	Still	68 So Ash st	Ward Parker	Danjour Bros	Cook room	Wood	Remaining sparks				
28	4.21 p m	633	2171 Acushnet av				Wood					
29	7.03 p m	64	Market st				Wood					
30	7.26 p m	Still					Wood					
31	9.29 p m	Still					Wood					
32	10.31 p m	Still					Wood					

# JANUARY — CONTINUED

14	236 a m	7	218 So Front st	Israel Herman	Max Levinson	Dwelling	Wood	Oil stove accident	350.00	1,800.00
	244 a m	Still	745 So Water st	Hannah Rock	Maurice Downey	Store & dwell	Wood	Thawing water pipe	120.00	8,000.00
	545 a m	Still	781 419 Rivet st	John Connors	Mrs Marshall Lewis	Dwelling	Wood	Defective fire place	15.00	2,000.00
	750 a m	Still	71 Russell st	Mrs Marshall Lewis				No fire		4,000.00
15	907 a m	Still		Joe Lapire	Thos Allen	Dwelling	Wood	Thawing water pipe	136.50	
	830 a m	Still	151 Frederick st	Wm Slight	John A Rothwell	Dwelling	Wood			
	139 p m	Still	153 Shawmut av	A C DeMello	Amelia Summits	Dwelling	Wood	Thawing water pipe	125.00	50.00
	252 p m	Still	20 Wing st	E S Judd	Dennis Mansfield	Dwelling	Wood	Thawing water pipe	10.00	
	450 p m	Still	1476 Purchase st	John Irdelane	John Irdelane	Smoke house	Wood	Smoking hana	5.00	
17	821 p m	Still	r. 70 Phillips av	Cong L Acheoleau	Cong L Acheoleau	Synagogue	Wood	Overheated stove	150.00	1,000.00
18	932 p m	7	384 So First st	J H Herring	J H Herring	Garage	Con.	Gasoline accident		
	845 a m	Still	55 Willis st	S C Lowe	S C Lowe Supply Co	Garage	S & W	Back fire in auto		300.00
	936 a m	Still	Purchase & Spring	Antone Pedro	Antone Pedro	Dwelling	Wood	Back draft		
19	332 p m	Still	413 Maxfield st	Victorino Tavares	Antone Tavares	Dwelling	Wood	Defective chimney	300.00	2,000.00
	615 a m	71	316 So Front st	Napoleon Gregoire	Henry Benoit	Dwelling	Wood	Child and match	25.00	500.00
20	210 p m	Still	159 Talman st	Mrs Walter Clifford	Mrs Walter Clifford	Dwelling	Wood	Burning soot	25.00	4,500.00
21	244 p m	Still	127 Hawthorn st	Antone Robinson	Antone Robinson	Dwelling	Wood	Hot ashes in cellar	25.00	2,400.00
	1148 a m	Still	191 Purchase st	M M de Souza	Antone Francis	Grocery, barn	Wood		35.00	300.00
22	703 p m	42	206 Belleville av	G L Olivier	Mfrs. Supply Co	Store	Brick	Durning dump	100.00	3,000.00
23	1250 p m	432	Pt of Washburn st	Est W'ing't'n Perry	Charles E Pierce	Store	Wood	Overheated chimney		
24	224 p m	Still	382-386 Acush. av	Samuel Fleish	Henry Smith	Dwelling	Wood	Curtain afire		
25	655 p m	Still	62 Thomas st	Antonio Medeiros	Antonio Medeiros	Dwelling	Wood	Oil stove accident		
	125 p m	Still	(379 Kempton st	Max Rosenblum	Max Rosenblum	Dwelling	Wood	Burning soot	200.00	10,000.00
26	703 p m	Still	2795 Acushnet av	H Yaurin	N Ricard	Bathhouse	Wood	Child and match	500.00	200.00
27	1128 a m	432	Potvin ct	Est J H Lowe	Demers & Son	Store & dwell	Wood		128.00	5,800.00
28	842 p m	414	211 Coffin av	J G Nicholson	At & Pacific Tea Co	Shoe store	Wood	False Alarm		
29	1055 p m	433	1019 Acushnet av	A Mendelson		Store	Wood	No fire		
30	1135 p m	613	185 Maxfield st					Burning soot		
31	945 p m	Still	1141 Acushnet av					False alarm		
	826 p m	133								

4,948.02 | 4,778.06 | 56,700.00 | 16,400.00

# RECORD OF SIGNAL FIRES — FEBRUARY, 1914.

Date	Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
1	5:47 p m	551	185 Maxfield st	John G Nicholson	Unoccupied	Dwelling	Wood	Overheated stove	10.00	246.86		1,000.00
2	9:08 p m	513	527 Acushnet av	H Wollson	H Wollson	Grocery	Wood	Automobile fire				
3	10:15 p m	511	Purchase st	S C Lowe Sup Co	S C Lowe Sup Co	Garage	S & W	Spark from furnace				
4	10:26 a m	511	88 Walden st	John Franks	N Keaton	Dwelling	Wood	Burning soot				
5	5:55 p m	511	109 Beetle st	C C Tilton	Wm Harriman	Store	Wood	Burning soot				
6	9:35 a m	614	165 1/2 Brock av	J A Isherwood	Greene & Wood	lum. storage	Wood	Burning soot	10.00			
7	9:15 p m	614	Pine st	Mary Thorpe	Hiram R King	Dwelling	Wood	Sparks from fireplace	15.00			
8	12:00 p m	7	152 North st	Philip N Soares	John Lomba	Dwelling	Wood	Defective chimney	400.00	110.00	2,800.00	
9	12:45 a m	438	36 Howland st	Benjamin Dawson	Frank Willets	Dwelling	Wood		25.00	25.00		
10	11:57 p m	514	24 Sycamore st	Bert A Vance	Bert A Vance	Garage	Wood	False alarm	500.00	300.00	1,500.00	2,500.00
11	2:35 p m	432	91 Cottage st	E D Stetson	E D Stetson	Dwelling	Wood	Burning soot				
12	4:15 p m	511	182 North st	John Burgess	George Thomas	Dwelling	Wood	Burning soot				
13	8:55 p m	511	Smith st ct	Jas H Mcullen	Jas H Mcullen	Dwelling	Wood	Sparks from chimney				
14	2:12 a m	511	Sawyer st	N B Stor Wareh Co	N B Stor Wareh Co	Storage	Brick	Faulty thermostat				
15	7:24 a m	511	39 Belleville rd	Joseph Brodeur	Joseph Brodeur	Dwelling	Wood	Carless smoker	10.00		2,000.00	
16	7:57 a m	511	301 Cedar st	Fred Moulton	Harry Humphrey	Dwelling	Wood	Thawing water pipe				
17	2:30 p m	511	306 Cedar Grove st	J W Boardman	J W Boardman	Dwelling	Wood	Thawing water pipe				
18	6:05 p m	511	Purchase st north				Wood	Burning grass				
19	9:12 a m	511	Purchase st north				Wood	Burning rags				
20	12:00 m	511	190 Cove st	Charles Paes	Charles Paes	Dwelling	Wood	Only waste n. radi.				
21	8:27 p m	511	Purchase st	N B 5c Sav Bank	N B 5c Sav Bank	Bank	Brick	Burning soot				
22	9:35 a m	511	1098 Rockdale av	Frank Oliver	Frank Oliver	Dwelling	Wood	Overheated chimney	4,000.00	1,550.00	5,000.00	1,500.00
23	12:12 p m	432	4 Kenyon st	Joseph Goyette	Joseph Goyette	Dwelling	Wood	Hot ashes, wood, bar.				
24	1:35 p m	511	190 Maxfield st	H J Smyth	Patrick Murphy	Dwelling	Wood	Remaining sparks				
25	3:32 p m	511	4 Kenyon st	Joseph Goyette	Joseph Goyette	Dwelling	Wood	Burning soot				
26	6:41 a m	511	30 Seventh st	H P Br. az	H P Bryant	Dwelling	Brick	Burning soot				
27	8:32 a m	511	161 Middle st	Mrs Johnson	Mrs Johnson	Dwelling	Wood	Burning soot	6.67		4,000.00	8,900.00
28	5:43 a m	511	2nd & William sts	W H Collins Est	W H Collins Co	Bindery	Wood	Rats and matches	1,332.00	1,500.00	11,000.00	
29	7:21 a m	511	(641 County st	H T Corson	H T Corson & others	Dwelling	Wood					
30	4:07 p m	711	211 Purchase st	Lena Ostroff	Lena Ostroff	Dwelling	Wood		50.00	18.92	8,000.00	1,500.00

# FEBRUARY — CONTINUED

18	8.50 a m	Still	70 1/4 William st	Chas F Connor M Handler	Anthony Freitas Musky & Handler	Lodge, house Junk shop	Wood	Oil stove accident No fire found False alarm				
19	7.04 p m	Still	712 Acquabnet av				Wood		10.00	1,000.00		
20	9.08 p m	Still	Morton ct				B & W					
21	4.10 a m	Still	80 Water st	Ore Tessier M D White	M D White	Theatre	Wood	Burning soot	34.10	50.00	500.00	
22	9.46 a m	Still	59 Court st	Zenon Lafleur	Joseph Wilson	Dwelling	Wood		100.00	75.00		
23	8.42 p m	Still	70 Phillips av	G W Auger	W T Wilson	Dwelling	Wood		1,500.00	2,148.78	8,500.00	
24	1.40 p m	Still	73 Maxwell st	M G Souza	M G Souza	Coopage	S & W					
25	10.55 p m	Still	353 So Second st	N B Stor Wareh Co	N B Stor Wareh Co	Storage	Brick	Defective thermostat				
26	10.55 p m	Still	Sawyer st	M G Souza	M G Souza	Storage	S & W	Remaining sparks	200.00	100.00	1,000.00	
27	1.45 a m	Still	353 So Second st	Aristide Gauthier	Richard Mills	Coopage	Wood	Overheated stovepipe				
28	12.40 p m	Still	127 Whitman st	Tann & N B Cop Co	Tann & NB Cop Co	Engine room	B & W	Defective stovepipe	31.00	2,500.00		
29	3.28 p m	Still	No Front st	N A Kavanaugh	Frank Lamer	Dwelling	Wood	Thawing waterpipe	5.00	2,000.00		
30	9.42 a m	Still	78 So Second st	Wm J Mills	Wm J Mills	Dwelling	Wood	Thawing waterpipe				
31	5.07 p m	Still	88 Austin st	Chas D Prescott	Chas D Prescott	Dwelling	Wood	Burning soot	750.00	165.23	500.00	
32	8.19 a m	Still	108 So Ash st	Ida Horvitz	Ida Horvitz	Dwelling	Wood					
33	2.46 p m	Still	86 Grinnell st									
										8,988.77	6,279.79	44,800.00
												20,900.00



# RECORD OF SIGNAL FIRES — MARCH, 1914.

Date	Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
1	6:27 p m	Still	343 No Front st	I E Normandin	Peter Auger	Dwelling	Wood	Burning soot				
2	3:50 p m	Still	School & Water sts	Wm G Welsh	Storage	Storage	Brick	Faulty thermostat	650.00	790.71	5,000.00	3,600.00
3	3:42 a m	Still	School & Water sts	W G Welsh	Storage	Storage	Wood	Faulty thermostat				
4	8:10 a m	Still	1359 1341 Ave av	P P Grimshaw	J Guy & J Landry	Dry goods st	Wood	Overheated stove				
5	4:15 a m	Still	841 So Water st	John Hope	Annie Golden	Dwelling	Wood	Burning food	10.00	50.00	3,500.00	500.00
6	9:42 a m	Still	92 Cove st	Tulius Berkovitz	Simon Matt	Dwelling	Wood	Stove overturned	50.00	25.00		500.00
7	10:23 a m	Still	192 Acushnet av	Samuel Collinsky	Samuel Collinsky	Dwelling	Wood					
8	10:25 a m	Still	1293 Purchase st	L Roberts	John Shields	Dwelling	Wood	Burning food	15.00	41.50	1,500.00	500.00
9	10:38 a m	Still	(499 So First st	Harry Shuster	Harry Shuster	Dwelling	Wood					
10	10:43 a m	Still	r 86 Nash rd									
11	8:45 p m	Still	2809 Acushnet av	Alfred Dextradeau	Andrew Murphy	Garage	Wood	Burning rubbish	10.00			
12	10:20 p m	Still	5 Butler st	John H. Alindow	Stable	Stable	Wood	Gasoline engine	50.00	10.00		
13	11:43 a m	Still	r 27 Bourne st	Frank Francis	City of N Bedford	Carpenter sh	Wood	Overheated stovepipe	35.00		26,000.00	
14	8:28 p m	Still	Acu av & Canon st	Emma L Barney	Indust school	Indust school	S & W	Sparks from chimney				
15	12:36 p m	Still	Belleville av	Joseph Roy	Laundry	Laundry	Wood	Burning grass	200.00	80.00	1,200.00	3,800.00
16	5:11 p m	Still	Nash rd	H T Bulman	Dwelling	Dwelling	Wood	Overheated stack	50.00	41.00	3,000.00	500.00
17	1:20 p m	Still	105 Bonney st									
18	3:52 p m	Still	500 So Water st	Israel Mirsky	Sophie Kaplan	Dwelling	Wood	False alarm	100.00	137.50	2,200.00	600.00
19	6:24 p m	Still	Nausett st	NB Gas & Ed Lt Co	Welbach Co	Storage	Wood	Burning grass	50.00	403.10	1,000.00	1,000.00
20	8:07 p m	Still	42 High st	Mary J King	Alfred M King	Dwelling	Wood	Burning soot	25.00			
21	3:06 p m	Still	77 Rivel st	Daniel Sweeney	Joseph Grace	Stable	Wood	Rats and matches	50.00	25.00		
22	8:17 p m	Still	56 Acushnet av	Alphonse Ricard	Thomas Carrier	Dwelling	Wood	Thawing water pipe	85.00	20.00	2,700.00	700.00
23	12:45 a m	Still	121 Webster ct	Abram Cohen	Michael Moses	Store & dwel	Wood	Loomotive spark	35.00	5.00	1,500.00	
24	9:21 a m	Still	409 So Water st	Jos A Burke	Jos A Burke	Pool room	Wood	Stem mistaken for am				
25	11:30 a m	Still	Worcester st	Thomas Swords	Wm F Caswell	Broom fact	Wood	Plumber's torch				
26	32:34 Elm st	Still	Union st Rockd av									
27	190 Chestnut st	Still										
28	4:59 p m	Still	1089 Purchase st	Mrs Edw O'Donnell	Elizabeth Eldridge	Lodg house	Wood	Careless smoker	100.00	20.00	2,000.00	800.00
29	4:59 p m	Still	1235 Rockdale av	Daniel H Stowell	Daniel H Stowell	Dwelling	Wood	Overheated chimney		25.00		
30	8:21 a m	Still	Cross st	Thomas Potter	Thomas Potter	Hotel	Wood	Electric light pole				
31	8:50 a m	Still	87 Elm st	Albert Sachs	Samuel Collinsky	Dwelling	Wood	Burning soot				
32	11:02 a m	Still	32 Acushnet av					Back draught				
									1,515.00	1,673.81	49,600.00	12,500.00

# RECORD OF SIGNAL FIRES — APRIL, 1914.

Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
1 1.01 a m	512	Pur & Willis sts	Standard Motor Co.	Manuel B Reis	Dwelling	Wood	Burning automobile		55.00		1,200.00
2 1.26 a m	Still	167 Independent st	Manuel B Reis	Edward Mosher	Dwelling	Wood	Drying wood in oven				
3 6.21 a m	Still	168 Grinnell st	George Allen	Edward Mosher	Dwelling	Wood	Burning soot	10.00	10.00	2,500.00	500.00
4 7.25 a m	71	281 Front st	Mary P Ponte	A P Mello	Dwelling	Wood	Overheated stove pipe				
5 9.30 a m	Still	25 Hunter st	George Gibbs	Harry Olsen	Dwelling	Wood	Burning soot	25.00	20.00	2,000.00	
6 1.28 p m	528	59 Pierce st	John McCullough	Edward Jones	Dwelling	Wood	Tar on stove				
7 6.02 p m	Still	523 Acushnet av	Harry Ryan	Edward Jones	Dwelling	Wood	Burning soot				
8 4.40 a m	Still	Chancery st	Harry Finkel	Mary R an	Dwelling	Wood	Gas jet near ceiling	20.00		1,000.00	
9 9.58 a m	Still	114 So Sixth st	Harry Finkel	Harry Finkel	Dwelling	Wood	Burning bush				
10 8.05 p m	Still	nr Buttonwood pk					Burning grass				
11 5.48 p m	8	Brooklawn pk					Burning brush				
12 6.30 p m	Still	Davis st					Burning brush				
1 8.28 a m	Still	Shawmut av					Burning soot				
2 6.24 p m	Still	545 Acushnet av	Benjamin Herstoff	Margaret Jensen	Dwelling	Wood					
3 6.24 p m	524	315 Chancery st	George F Guild	George F Guild	Dwelling	Wood	Match accident	800.00	200.00	2,000.00	500.00
4 11.54 a m	58	Cottage & Elm sts	Robert F Raymond	M W Donaldson	Clothes cl sh	Wood	Wire rekindled	400.00			
5 1.05 p m	Still	Cottage & Elm sts	Robert F Raymond	M W Donaldson			Burning brush				
6 7.02 p m	Still	Durfee st					Burning dump				
7 12.10 p m	Still	Et of Washburn st					Burning dump				
8 7.27 p m	Still	F. 180 Coffin av					Lamp accident				
9 8.10 p m	317	F. 39 Belleville rd	Joseph Brodeur	Joseph Brodeur	Machine shop	Wood	Burning dump				
10 1.01 p m	Still	Mosher & Crapo st					Sparks from stack	20.00		500.00	
11 2.07 p m	613	7 Cannon st	Mary D Almeida	Mary D Almeida	Dwelling	Wood	Burning rubbish				
12 3.45 p m	Still	371 County st	E. A. Banell	E A Banell			Burning brush				
1 3.50 p m	Still	Buttonwood pk					Burning brush				
2 4.15 p m	642	Hawthorn st, west					Burning brush				
3 4.15 p m	Still	Shawmut av					Burning brush				
4 10.40 a m	3	Tacoma st					Burning brush				
5 1.14 p m	Still	Brook av & Capitol					Burning brush				
6 8.22 p m	712	643 So First st	Emilie Barabe	Alcide Barabe	Stable	Wood	Defective oven	111.00	2,000.00	1,000.00	1,500.00
7 9.24 p m	Still	3 No Second st	Thos A Thornton	C H & H A Lawton	Drug store	Wood	Cigarette on roof	5.00		2,500.00	
8 1.35 p m	Still	Brooklawn pk					Spark on roof	1.00			
9 12.41 a m	Still	(1866 Purchase st	Benjamin Dawson	Rose Lussier	Dwelling	Wood					
10 12.50 a m	Still										
11 10.08 a m	Still	1501 Purchase st	James G Meade	H F Butler	Dwelling	Wood	Burning soot				
12 5.59 p m	71	57 Grinnell st	A H Reservitz	Michael Lipman	Dwelling	Wood	Child and match	88.00	15.00	2,200.00	500.00
1 7.52 p m	Still	31 Eighth st	A Davis Ashley	A Davis Ashley	Dwelling	Wood	Electric flat iron				
2 4.46 p m	Still	Mill & Purchase st			Dwelling	Wood	Unusual smoke				

# RECORD OF SIGNAL FIRES — MAY, 1914.

Date	Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
1	11.01 a m	Still	152 Union st	J H Furnans	H Humphrey	Jewelry store	Wood	Sparks on roof	2.00			
2	2.04 a m	Still	Valentine st	Harry Siegel	Harry Siegel		Wood	Burning brush				
3	4.25 p m	Still	r 1602 Acush av	R E Noffz	R E Noffz	Greenhouses	Wood	Burning rubbish	185.00	37.75	2,000.00	250.00
8	9.24 p m	533	969 Kempton st	Robert W Pease	Unoccupied		Wood	Overheated stove	600.00		1,000.00	
	6.36 a m	612	51 First st				Wood	Incendiary				
	2.31 p m	8	Church st				Wood	Burning brush	50.00	9.85	8,000.00	2,000.00
	8.47 p m	Still	11 Orchard st	A E Ginochio	C F Connor	Dwelling	Wood	Burning rubbish	30.00			
	8.19 p m	3	(Branscomb st	Benj Dawson	Unoccupied	Icehouse	Wood					
	8.27 p m	31										
	9.05 p m	464	131 Clark st	Edmund Jalbert	Edmund Jalbert	Dwelling	Wood	Gasoline explosion	25.00	40.00	2,750.00	1,000.00
4	5.45 a m	616	177-181 Acush av	E C Palmer	J O Ferguson	Laundry	Wood	Sparks on roof	40.00		4,000.00	
	12.25 p m	8	Kingcroft				Wood	Burning woods				
	1.29 p m	Still	r Phillips rd					Burning brush				
	1.80 p m	Still						Burning brush				
	1.40 p m	712	649 So First st	Peter Kolodzey	Geo Hodziewicz	Dwelling	Wood	Burning hay in yard	9.14	10.00	1,000.00	
9	4.56 p m	Still	(686-688 Pleas st	H M Chapman	F B Parker	Paint shop	Wood		10.00			
	11.15 p m	416	(1894 Acush av	St Jean de Bap So	Nellie Koffman et al	Stores & dwl	Wood		7,449.12	3,500.00	25,200.00	8,500.00
	11.23 p m	Still										
0	2.15 p m	Still	Apponegansett st					Burning woods				
1	9.58 a m	334	Church st				Wood	Burning brush				
2	4.50 p m	Still	214 Ced Grove st	E J Lavoie	E J Lavoie	Blacks'h shop	Wood	Caught from forge				
	4.50 p m	Still	1627 Acushnet av	James Burgess	John Miller	Dwelling	Wood	Gasoline accident				
3	412	7	334 So First st	Cong L Hatzdeck	Cong L Hatzdeck	Synagogue	Wood					
	12.56 a m	Still	73 So Second st	Nancy Cavanaugh	Irene Bennett	Dwelling	Wood	Burning rags	5.00	10.00	2,500.00	1,000.00
	4.54 a m	Still	2 No Orchard st	C W Bartlett	C W Bartlett	Dwelling	Wood	Burning soot	100.00	92.55	1,000.00	
	8.16 p m	Still	43 Short st	Louisa V Perry	Louisa V Perry	Dwelling	Wood					
5	11.12 p m	621	Purchase & Elm st	E B McLeod	E B McLeod	Stores	Wood	Burning soot	350.00	50.00	2,000.00	
	7.00 p m	Still	r Buttonwd' park					Burning brush				
	7.12 p m	Still	Coverd&C'nty st					Burning dump				
7	10.05 a m	Still	Wildwood rd					Burning brush				
	7.14 p m	Still						Burning brush				
8	7.14 p m	Still	Clifford rd					Burning brush				
9	8.15 p m	Still	81 North st					Burning soot				
10	12.30 p m	Still	Nash rd		Fred Nye	Dwelling	Wood	Burning brush				

# MAY — CONTINUED

10	6.00 p m	Still	Davis at	U S R R Co		Electric car		Burning brush			
11	6.05 p m	Still	Eur & Rock'd sts					Electricity			
12	6.55 a m	Still	Dartmouth					Burning dump			
13	8.36 p m	Still	Reed & Court sts					Burning brush			
14	3.41 p m	Still	(Wildwood rd					Burning woods			
15	4.12 p m	8	Wildwood rd					Burning brush			
16	1.52 p m	8	Tarklin Hill rd					Burning soot	40.00	35.00	
17	2.00 p m	Still	Tarklin Hill rd							200.00	
18	2.07 p m	Still	70 Washburn st	Alphonse Query	Mary Renault	Dwelling	Wood				
19	5.39 p m	Still	123 Bedford st	Henry T Allen	Henry T Allen	Dwelling	Wood				
20	11.28 p m	Still	158 Belleville av	End D Alferez	John Cabral et al	Gro & dwell	Wood				
21	11.30 p m	431									
22	11.33 p m	431									
23	12.45 a m	438	30 Bowditch st	Jacob Linder	Jacob Linder	Dwelling	Wood	Needless alarm			
24	7.12 p m	Still	Shawmut av					Needless smoker	20.00	25.00	
25	8.22 a m	615	21 Morgan lane					Burning brush			
26	12.08 a m	Still	Ft of Cannon st	Celia Reservoirs	Harris Reservoirs	Dwelling	Wood	Defective chimney	40.00	800.00	500.00
27	1.48 p m	612	97 So Second st	N B Gas & Ed Lt Co	N B Gas & Ed Lt Co	Storage	Wood	Sparks from chimney		25.00	
28	9.20 a m	541	154 So Second st	A S Norick	Joaoquin J Lima	Dwelling	Wood	Burning soot	10.00		
29	10.10 a m	Still	182 Dartmouth st	Jennie Murphy	Mary Silvery	Dwelling	Wood	Child and match			
30	12.48 p m	512	14 Wall st	G Kirby Jr Paint Co	G Kirby Jr Paint Co	Paint mill	Wood	Burning soot		2.22	
31	12.55 p m	551	174 Shawmut av	L Z Bissonette	L Z Bissonette	Black's shop	Wood	Locomotive sparks		80.00	
32	2.47 a m	Still	216 Middle st	W H Leach	W H Leach	Dwelling	Wood	Sparks on roof	900.00	980.00	
33	7.15 a m	8	King's highway								
34	8.35 a m	8	Shawmut av					Burning soot			
35	10.10 a m	Still	Sassquin					Burning brush			
36	10.30 a m	Still	Mt Pleasant st					Burning brush			
37	11.54 a m	Still	Ft of Collette st					Burning brush			
38	2.00 p m	Still	Rockdale av					Burning dump			
39	4.35 p m	Still	2419 Acushnet av					Burning brush			
40	4.57 p m	Still						Burning brush			
41	9.12 p m	Still	King's highway					Burning brush			

10,412.48 | 4,759.65 | 54,200.00 | 11,050.00

# RECORD OF SIGNAL FIRES—JUNE, 1914.

Date	Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Insurance on Building	Insurance on Contents
1	10.15 a m	Still	128 Reynolds st	Mrs. Ashworth	Mrs. Ashworth	Dwelling	Wood	Sparks on roof	25.00	2,400.00	
	9.46 a m	Still	C Grove & Reynolds					Burning brush			
	12.19 p m	Still	Sassaquin					Burning brush			
5	7.31 a m	Still	69 Maple st	Mrs. Swain	Mrs. Swain	Dwelling	Wood	Burning soot			
	1.25 p m	Still	Kether & Crapo sts					Burning dump			
6	1.38 p m	542	82 School st	L. Malick	Jacob Levitsky	Dwelling	Wood	Curtain near stove	18.00		
	6.23 p m	Still	111 No Water st	Est. Tim Gleason	Geo F Thompson	Junk shop	Wood	Overheated stove pipe	50.00	8,000.00	
8	11.50 p m	Still	56 Penniman st	John Fiedgerton	Mr Noon	Dwelling	Wood	Lamp accident			
	10.44 a m	612	56 Penniman st	Mrs H E Jay	August de Gras	Dwelling	Wood	Burning soot	10.00		
	6.31 p m	741	112 Field st	August Raposa	J R Spivey	Barn shop	Wood				
9	9.28 a m	Still	99 Field st	J Mallo Correiro	J Mallo Correiro	Dwelling	Wood	Sparks from Field st	50.00	2,000.00	
	12.04 p m	Still	196 Harvard st	Jas F Smith	Jas F Smith	Garage	Wood	Sparks from auto	8.00		
	1.15 p m	Still	No of Phillips rd					Burning brush	25.00		
10	6.02 p m	Still	Phillips rd					Burning brush			
	6.02 p m	Still	84 Union st					Faulty thermostat			
	6.55 p m	Still	No of Phillips rd					Burning brush			
	10.45 a m	Still	No of Phillips rd					Burning brush			
	11.55 a m	Still	No of Phillips rd					Burning brush			
11	4.32 p m	Still	1498 Acushnet av	Zeol Roy	Alfred E Richards	Store & dwell	Wood	Child and match	3.00		
	7.14 a m	Still	276 Collette st	Pierre Gentilhomme	John Vera	Tool house	Wood	Hot ashes in barrel			
	9.56 a m	Still	169 County st	Mary L Sylvia	Pierre Gentilhomme	Dwelling	Wood	Unusual smoke			
	1.11 p m	Still	128 River rd	Frank Neale	Harry Hargraves	Burning soot	Wood	Burning soot	15.00	1,500.00	
12	9.16 p m	Still	429 So First st	Philip Albert	Manuel Moniz	Dwelling	Wood	Child set fire to fence			
13	9.02 a m	Still	(447 Kempton st	H L Donaghy	H L Donaghy	Blacksm shop	Wood	Lamp accident	25.00		
	8.08 a m	Still	Head of Maple st					Sparks on roof			
	2.15 p m	Still	1544 Purchase st	Bradford Smith	Mrs. Joseph Rock	Store & dwell	Wood	Burning woods	10.00		
14	10.46 a m	Still	Collette st & Acu av		Standard Elec Co	Store & dwell	Wood	Automobile afire	85.00	5,000.00	
	9.08 p m	Still	515 So Water st	Israel Mirsky	Julius Shuster	Dwelling	Wood		285.00	2,250.00	2,800.00
15	9.14 a m	Still	697 So Water st	Elaie Albert	Wm Cabral	Dwelling	Wood		180.81		
	9.20 a m	Still	487 Acushnet av		Mrs. Gilmore	Dwelling	Wood	Burning soot			
	1.09 p m	47	r 1828 Purchase st	John N O'Brien	John N O'Brien	Storage	Wood	Locomotive spark	59.98	500.00	
16	1.35 a m	614	8 Morgans lane	Hyman Miller	Ben Tavers	Dwelling	Wood		350.00	8,000.00	

# JUNE -- CONTINUED

2.15 p m	Still	r 214 Rivet st	Joseph S Pimental	Wash stand	Wood	Hot ashes	3.00		
9.37 a m	Still	17 Matland st	Mrs. J H Ennis	Dwelling	Wood	Unusual smoke	25.00	3,000.00	700.00
10.46 p m	432	164 Ced Grove st	John Kirmis	Dwelling	Wood	Match accident	5.00		
10.58 p m	471	208 State st	D Sullivan	Dwelling	Wood	Burning soot			
7.81 a m	Still	129 Sycamore st	Laura Swenson	Dwelling	Wood	Burning woods			
8.45 p m	3	Hawes st				Burning dump			
9.49 p m	Still	Court & Reed sts				Burning dump			
10.01 a m	Still	Mosher & Crapo sts				No fire found			
12.06 a m	Still						1,754.18	4,575.00	7,500.00
8.43 a m	614	Cross & Crapo sts	Greene & Wood	Lumb stor'ge	Wood	Burning food	25.00	75.00	600.00
10.36 a m	25	218 No Second st	E P Haskins	Dwelling	Wood	Burning brush			
1.52 p m	Still	88 Rockland st	Max Bronspiegel	Dwelling	Wood	Locomotive spark			
10.00 a m	Still	Reed st	John G Nicholson	Lumber shed	Wood	Burning dump			
7.45 p m	Still	35 Bowditch st				Burning brush			
12.35 a m	Still	Bonn'y & Jouv'test				Turpentine accident	5.00		
10.48 a m	Still	Reed	F T Akin Co	Paint shop	Wood	Burning dump			
1.49 p m	562	9 No Water st				Burning woods			
7.07 p m	Still	Nash rd & Hope st				Child and match			
10.33 p m	Still	Bonn'y & Jouv'te st					10.00		
12.46 p m	Still	r 1295 Rockdale av	Edward Lajeunesse	Stable	Wood		20,000.00	19,000.00	19,000.00
1.08 p m	714	50 Elm st	Albert C Sherman	Stable	Brick		882.00	249.14	73,000.00
8.28 p m	Still	Pleasant st	John Duff	Store & offices	Brick		114.60		26,000.00
8.30 p m	553	650-656 Pleas st	John Duff & others	Garage	Brick		297.00		4,000.00
8.31 p m	553	656-688 Pleas st	E D Stetson	Store & dwell	Wood		74.25		4,800.00
8.32 p m	553	686-688 Pleas st	F B Parker, etc	Offices	B&W				
8.43 p m	Still	52-54 Elm st	Adams Express Co	Church	Wood	Spks from stable fire	10.00	3,170.60	7,650.00
8.55 p m	Still	50 Elm st	Sundry owners	Club house	Wood	Spks from stable fire			
9.30 p m	Still	Middle st	Advent church	Dwelling	Wood	Burning soot			
1.40 p m	Still	Foster & High sts	N B V F Ass'n	Dwelling	Wood	Child and match	45.00	200.00	500.00
5.05 p m	Still	25 Chestnut st	Katharine Hubbard						
	3	3 Cornell place	A Spector						
							24,200.01	27,500.55	139,450.01
							64,250.00		

# RECORD OF SIGNAL FIRES — JULY, 1914.

Date	Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
1	12:34 p m	488	68 Washington st	Edward McAlbon	Edward McAlbon	Dwelling	Wood	False alarm				
2	12:58 p m	Still	123 Ruth st	J T Kincaid	J T Kincaid	Dwelling	Wood	Burning soot	5.00			
3	10:02 p m	53	Kemp & Liberty sts	St Mary's Home	St Mary's Home	Orphanage	Brick	Hot ashes in box	10.00			
4	2:07 p m	58						Match accident				
5	9:04 p m	58						False alarm				
6	2:17 a m	8	140 Tark Hill rd	Wm Wolstenholme	Wm Wolstenholme	Dwelling	Wood	Careless smoker	26.25	10.00	2,800.00	
7	6:10 p m	Still	Pleas & William sts	John Duff	John Duff	Store & offices	Brick	Fireworks on awning				
8	4:44 p m	Still	163 Frederick st	Joseph Lapre	O Simon	Dwelling	Wood	Firecrackers	5.00		4,000.07	
9	8:00 p m	Still	Mechanics lane	A C Sherman	Louis Gonsalves	Bakery	Wood	Smoldering ruins				
10	4:18 p m	431	(200 Belleville av	Louis Koffman			Wood	Hot ashes on floor	461.50	150.00	1,500.00	
11	4:20 p m	Still					Wood	Needless alarm				
12	3:05 p m	Still	(r 10 Bedford st	Reuben Cohen	R Cohen & others	Stable	Wood	Children smoking	150.00	79.00	200.00	1,000.00
13	3:09 p m	616										
14	2:37 p m	5	788 County st	Wamsutta Mills	Frank Talbot	Dwelling	Wood	Burning food				
15	2:37 p m	5	So Water st	P & R Coal Co	P & R Coal Co	Coal storage	Wood	Sparks from chimney				
16	4:33 p m	612	2 Blackburn st	Max Rosenbaum	Max Rosenbaum	Dwelling	Wood	Burning soot				
17	2:30 p m	Still	65 Merrimac st	James Jennings	James Jennings	Dwelling	Wood	Burning soot				
18	6:30 p m	Still	Frederick st					Fire in dump				
19	2:45 p m	Still	70 Dudley st					False alarm				
20	3:37 p m	Still	N B & Fair bridge					False alarm				
21	4:47 p m	Still	Union st	H S Hutchinson	Mrs. Bowen	Dressmaker	Brick	Electric flatiron	726.00	5.00	10,000.00	1,000.00
22	10:42 p m	Still	(470 County st	Geo M Haskell	Geo M Haskell	Dwelling	Concrete	Lightning	462.51			7,500.00
23	10:03 a m	56										
24	3:57 a m	Still	36 Scott st					Burning dump				
25	8:05 a m	732	Scott & Grapo sts					Burning dump				
26	1:27 p m	Still	Middle st	1st Church of Christ	1st Church of Christ	Church	Wood	Careless smoker	10.00			
27	2:05 p m	Still	Elm & Bethel sts	Hedge-Lewis Corp.	Hedge-Lewis Corp	Shuttle fact	Brick	Overheated sparks				
28	12:18 a m	Still	371 So Second st	Max Levy	Louis Marshall	Dwelling	Wood	Child and match	50.00		2,000.00	
29	3:41 p m	71	371 So Second st	Frank F Rodgers	Frank F Rodgers	Dwelling	Wood	Hot ashes in barrel				
30	8:00 p m	73	60 Hall st					Burning dump				
31	10:35 a m	Still	Court & Reed sts					Burning rubbish				
32	2:45 p m	Still	Brownell & Union	Thos O'Neil	Thos Muldoon	Dwelling	Wood	Unusual smoke				
33	2:14 p m	Still	148 County st	Thos Muldoon	Thos Muldoon	Dwelling	Wood	Hot ashes in barrel				
34	1:59 p m	464	132 Myrtle st	M McCarty				Burning automobile	150.00		1,500.00	750.00
35	2:19 p m	Still	14 Penniman st	Max Marder				Burning accident				
36	11:01 a m	432	178 No Front st	Alban C Snow	Sam'l H Tuch	Dwelling	Wood	Falling smoke stack	11.66		1,000.00	
37	6:33 p m	562	71-73 Union st	C M Holcomb	NB Paper&Sup Co	Paper wareh	Wood	Faulty thermostat	300.00	2,988.79		6,400.00
38	7:29 a m	562	38-44 So Water st	H S Hutchinson	HS Hutchinon, etc	Store&office	Brick	Faulty thermostat	15.00			
39	12:40 p m	Still	Union st	H S Hutchinson	N B Gas&Ed Lt Co	Office&garage	Stone	Faulty thermostat				
40	3:39 p m	Still	Fair & Spring sts	N B Gas&Ed Lt Co								

# RECORD OF SIGNAL FIRES — AUGUST, 1914.

Date	Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
1	5:20 p m	Still	Elm st	A C Sherman	Fred Lessard	Dwelling	Wood	Embers of June 27 fire	10.00			
2	11:08 p m	428	207 Sawyer st	Joseph Bolduc	Levi Ricard	Planing mill	Wood	Careless smoker		75.00	3,500.00	
3	11:25 a m	421	N e st	Levi Ricard			Wood	Child and match				
4	11:57 a m	Still	442 Summer st	J T Francis			Wood	Burning rags outside				
5	6:50 p m	432	120 Cedar Grove st	Isaac Portnoy	D L Hathaway & Son	Dwelling	Wood	Naphtha accident	45.00		5,000.00	
6	12:49 p m	562	27 Centre st	Goldstein	Joseph Pacheco	Carpen shop	Wood	Careless smoker	80.00		1,500.00	
7	5:09 p m	Still	Parker st west	Bessie Hurley		Fish market	Wood	Burning brush	5.00			
8	7:52 a m	71	689 So Water st		Joseph Pacheco	Dwelling	Wood	Burning ash barrel	100.00		800.00	
9	7:52 a m	471	2 Linden ct		Bessie Hurley		Wood	No fire, stray blows	44.00	20.00	500.00	500.00
10	1:55 p m	21	(122 Campbell st	Almira Bosworth	Wm C Brightman	Grocery	Wood					
11	8:52 p m	Still										
12	8:52 p m	524	463 Mt Pleasant st	N Y N H & H R R Co	Robert Wade	Dwelling	Wood	Match accident	25.00	10.00		
13	7:50 p m	Still	493 County st	R E Coggeshall		Dwelling	Wood	Spontaneous comb				2,700.00
14	10:19 p m	Still	300 Water & Coffin st	N B Coggeshall	N B Coggeshall Lt Co	Storage	Wood	Spontaneous comb	75.00	189.54	3,500.00	1,000.00
15	9:10 a m	Still	126 Cedar Grove st	Maria Wischnietzky	Maria Wischnietzky	Dwelling	Wood	Burning dump				
16	6:12 p m	432	Clover st					Burning dump				
17	12:04 p m	Still	Frederick st					Burning dump				
18	3:13 p m	Still	Maxfield & Liberty					Burning dump				
19	8:22 p m	Still	13 Rivet st	Harry Queen	John Souza	Dwelling	Wood	Oil stove accident	850.00	1,000.00	3,000.00	1,500.00
20	8:37 a m	712	50 Middle st	7st Tim Gleason	John B Ginnocchio	Saloon	Wood	Unusual smoke				
21	8:27 a m	512	1344 Purchase st	Israel Wollison	J E W Tremblay	Store & dwell	Wood	Burning grass	86.00		8,000.00	
22	8:28 p m	8	Morton's meadows									
23	7:18 p m	Still	750 Pleasant st	Geo F Lewis	N B Sim Lann, etc	Stores & offices	Brick					
24	11:05 p m	533	(Pur & William sts	Cummings est	Mechanics Bank	Bank stores	Brick					
25	11:16 p m	353	(Pur & William sts		A E Lucas Shoe Co	Miscellaneous						
26	5:40 a m	Still	20 Belleville av	Manuel Sylvia	E J Hodgeson, etc	Fish house	Wood	Remaining sparks	10,808.16	88,141.90	72,500.00	124,450.00
27	2:00 p m	Still	Pur & William sts	Cummings est	Manuel Sylvia	Stores & offices	Brick		400.00	50.00		
									12,476.16	134,553.94	98,300.00	154,450.00



# RECORD OF SIGNAL FIRES — SEPTEMBER, 1914.

Date	Tme	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
1	1.05 p m	Still	Coverd & Crapo st	Max Rosenbaum	Mrs. King	Dwelling	Wood	Burning dump				
2	10.40 a m	Still	487 No Front st	I Sequin	I Sequin	Blackam sh'p	Wood	Burning ash barrel		10.00		
3	11.53 a m	Still	2 Blackburn st				Wood	Careless smoker				1,500.00
4	8.07 p m	Still	County & Clark st				Wood	Sparks from furnace				600.00
5	10.10 p m	Still	Kempton st				Wood	Burning railroad ties				
6	1.32 p m	71	604 So Water st	D J Spinney	John Medeiros & Co	Grocery	Wood	Cigar on awning	24.50	15.50		
7	1.55 p m	461	143 Reynolds st	Wm T Leahy	Abbie Leideman	Dwelling	Wood	Child and match	10.00	151.00		
8	3.37 p m	313	175 Columbia st	L N Chisholm	L N Chisholm	Dwelling	Wood	Gasoline accident			3,000.00	
9	1.26 p m	Still	Grape st	Max Marder	M Frates	Dwelling	Wood	Burning dump	18.00		8,400.00	
10	7.22 a m	46	2331 Purchase st				Wood	Locomotive sparks				
11	6.07 p m	3	Acushnet				Wood	Burning ash barrel	20.00		3,000.00	
12	11.05 a m	813	44 Salisbury st	Thomas Whittle	Thomas Whittle	Dwelling	B & W	Burning soot				
13	6.33 p m	Still	Ash st	Thomas M Stetson	Thomas M Stetson	Dwelling	Wood	Burning brush				
14	4.40 p m	Still	Rodney st	James Queen	James Queen	Store & dwell	Wood	Match accident		97.50		
15	7.11 p m	Still	Union & Tremont sts				Wood	Burning brush				
16	5.10 p m	Still	289 Acushnet av				Wood	Gas stove accident	15.00	5.00	2,500.00	
17	12.00 a m	Still	448 River st	Sarah Haworth	John Jackson	Dwelling	Wood	Fire in lumber in yard				1,000.00
18	2.59 a m	512	r 1414 Purchase st	N Y N H & R R Co	James C Doherty	Warehouse	Wood	Burning soot				500.00
19	7.42 p m	Still	William st	Smith Bros	Smith Bros	Stores & offices	B & S	Burning soot				
20	8.16 p m	512	14-20 Wall st	Merchants Bank	Geo Kirby, Jr	Painting mill	Wood	Only rags in clothes	4.51		7,275.00	
21	8.52 p m	416	88 Nre st	Geo Kirby, Jr	James C Doherty	Dwelling	Wood	Defective chimney	200.00	170.00	3,000.00	
22	12.57 p m	541	150 Union st	Geo Taylor	Danjon Bros	Restaurant	Wood	Unusual smoke				1,500.00
23	12.57 p m	481	Foot Cogan Hall st	Danjon Bros	Danjon Bros	Bridge	Wood	Cigar stub				
24	10.22 a m	913	28 av & Bates st	Harry Clarke	Robert Hill	Garage	C & W	Gasoline explosion	20.00	57.50	2,000.00	500.00
25	10.22 a m	Still	Durfee st	Mary McCarty	Mary McCarty	Dwelling	Wood	Child and match	10.00		4,000.00	
26	10.25 a m	Still	26 Russell st	J Holmes East	E J Fishback	Dwelling	Wood	Unusual smoke				
27	12.46 p m	71	367 So First st	Antone Fomber	Sam Marinoff	Dwelling	Wood	Back fire in auto	124.50	15.00	8,000.00	
28	4.39 p m	713	Gifford st	S C Lowe Co				Burning ash barrel				
29	8.34 a m	Still	344 Conlin av	J C Beasey	A R Beasey							

# SEPTEMBER — CONTINUED

25	12.50 p m	Still	Rockdale av	Grinnell Mfg Co	Cora Antone	Dwelling	Wood	Burning brush	65.25	750.00	
	1.46 p m	Still	Rockdale av	Wm Ferguson		Dwelling	Wood	Burning brush			
26	5.50 p m	Still	837 Arushnet av					Burning brush			
	12.25 a m	58	67 Cedar st					Careless smoker			
	4.12 p m	Still	Grape & Field sts					Burning dump			
27	10.40 p m	Still	Merrimac & Pur sts	U S R R Co	H S Hutchinson	Electric car		Electricity			
	11.48 a m	Still	Union st	H S Hutchinson				Faulty thermostat			
	7.18 p m	Still	High Hill					Burning woods	15.00		
28	8.08 p m	714	44 W French av	Chas Carroll				Burning ash barrel			
	1.28 p m	Still	So Dartmouth								
	1.52 p m	Still	So Dartmouth								
	6.39 p m	Still	E French av					Burning brush			
29	9.30 a m	Still	Foot of Pine st	Holmes Coal Co	Holmes Coal Co	Coal storage	Wood	Spontaneous comb			
	12.35 p m	71	233 So Front st	Manuel J Figuendo	Manuel J Figuendo	Dwelling	Wood	Child and match			
30	10.46 p m	414	250 Coffin av	Nazaire Chainey	Joseph Allaine	Dwelling	Wood	Lamp accident	10.00		700.00
										526.76   539.50   37,925.00   6,800.00	

# RECORD OF SIGNAL FIRES — OCTOBER, 1914.

Date	Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
2	8.02 a m	Still	53 So Sixth st	Frank S Wilcox	Frank S Wilcox	Dwelling	Wood	Burning food	5.00			
3	10.26 a m	5	6 Hazard ct	Wamanta Mills	Henry Charrette	Dwelling	Wood	Child and match	109.09		55,000.00	
8	10.52 a m	Still	Union & Purchase	Bristol Realty Co	Bristol Shoe Co, etc	Stores, offices	Brick	Fire in paper chute				
12	12.13 p m	Still	90 Washington st	J E Dupre	J E Dupre	Dwelling	Wood	Burning dump				
4	9.16 p m	Still	Grape st	H Deslauniers	H Deslauniers	Dwelling	Brick	Electricity	15.00		10,000.00	
6	8.26 p m	Still	1359 Acushnet av	Hedge-Lewis Mfg Co	Hedge-Lewis Mfg Co	Shuttle fact'y	Brick	Overheated oven				
6	2.20 a m	Still	Elm & Bethel sts	J Burgess	H L Donaghy	Black. shop	Wood	Sparks from chimney	20.00		400.00	
7	2.35 p m	53	447 Kempton st	Lucy Gagnon	Alex C Janson	Store, dw'ing	Wood	Burning dump				
7	3.30 p m	Still	Crapo st	Est S Blossom	David Caswell	Dwelling	Wood	Unusual smoke				
8	6.55 p m	Still	1645 Acushnet av	A S Novick	Mary Marshall	Dwelling	Wood	Burning dump	39.75	15.00	4,000.00	1,000.00
8	1.31 p m	Still	16 Cannon st	J Bonneau	J Bonneau	Dwelling	Wood	Dust mistak'n for smk	68.48		48,000.00	
10	4.40 p m	Still	1431 Pleasant st	Parker House Corp	O H Brownell	Hotel	Wood	Unusual smoke				
10	7.15 a m	Still	Purchase & Elm sts	J E Gendron	Uel Epstein	Tallor shop	Wood	Burning dump				
11	1.32 p m	Still	Pleas&Mechanical	H I Jamieson	H I Jamieson	Dwelling	Wood	Burning ash barrel				
11	10.40 p m	Still	1345 Acushnet av	Grinnell Mfg Co	Avan Hoban	Dwelling	Wood	False alarm	25.00	35.10	2,500.00	1,500.00
12	8.45 p m	Still	52 Walnut st	Geo F Winslow	AR McGuinness, etc	Stores, dw'ing	Brick	Burning curtain	5.00			
12	8.45 p m	Still	843 Acushnet av					Cigarette on roof				
12	12.40 p m	3	Morris Park					Burning brush	284.50	105.00	35,000.00	4,500.00
13	12.09 a m	56	240 Union st					Burning brush				
13	9.44 a m	Still	Bristol st	Ernest Bellote	S Fisher	Wood shed	Wood	Burning ash barrel				
13	1.18 p m	Still	17 Marvin st	Joseph Bolduc	Peter Mallas	Wood shed	Wood	Boy and match	5.00		2,000.00	
13	6.51 p m	512	674 Acushnet av	Max Levy	Mrs. Lewis	Dwelling	Wood	Burning soot				
13	8.34 p m	Still	288 No Front st					Burning ash barrel				
13	10.30 p m	Still	488 Purchase st					Burning brush				
14	10.30 p m	Still	(Tarklin Hill rd									
14	8.55 p m	Still										
14	4.05 p m	3										
14	8.05 p m	Still	5 Campbell st	Mrs. Chas Case	Mrs. Smith	Dwelling	Wood	Rats and matches	100.00	158.00	1,000.00	200.00
14	9.30 p m	8	Morris Park					Burning brush				
15	8.53 p m	8	Morris Park					Burning brush				
15	4.19 a m	8	Phil&Sherman rds	John A Russell	Acush Saw Mill Co			Burning brush				
15	6.36 a m	8	Morris Park					Burning brush				

# OCTOBER — CONTINUED

15	12.15 p m	8	Morris Park 184 County st Tarklin Hill rd	Ambrose S King	Ambrose S King	Dwelling	Wood	Burning brush Burning food Burning brush Burning soot Burning soot	10.00	3,000.00
16	2.40 p m	Still	Still							
17	2.57 p m	Still	46 Reynolds st	Mrs. J Sullivan	Mrs. Quinn	Dwelling	Wood			
18	1.42 p m	Still	43 William st	Automatic Tel Co	Automatic Tel Co	Offices	Brick			
19	7.48 p m	553	895 Purchase st	N Christian Church	N Christian Church	Church	Wood	1,500.00 800.00	300.00 800.00	
20	6.08 a m	3	(r Hersom st	Wallace Woodsome	Arthur E Robbins	Barn	Wood			
21	6.48 p m	31	Maryland st	Joseph St Peter	Joseph St Peter	Dwelling	Wood	1,500.00	500.00	800.00
22	6.56 p m	Still	298 No Front st	Union St R R Co	Union St R R Co	Furnit. store	Wood			
23	11.40 a m	423	1234 p m	Geo Lamontague	Beatrice Fontaine	Storage	Brick	500.00 200.00	500.00 35,000.00	
24	9.46 a m	3	Tarklin Hill rd	Nashawena Mills	Nashawena Mills	Lodg. house	Wood			
25	11.22 a m	Still	232 No Second st	Haskins & Gibson	A E Crossman		Wood	Unusual smoke		
26	8.14 p m	3	Acushnet Park	Andrew Wilde	P F McQuillan	Dwelling	Wood	Burning brush Incendiary	200.00	356.50 837.50
27	4.42 p m	Still	129-131 Chancery							
28	12.25 p m	581	Griffin & Second sts	Est B H Waite	Power & Desmond	Cloth. store	Brick	Burning leaves Spark on awning False alarm	15.00	
29	12.48 p m	Still	73 William st	Mrs. Winterson	William Greene	Dwelling	Wood	Burning soot		
30	8.32 a m	433	174 Purchase st	Jacob Linder	Salmon Frenon	Dwelling	Wood	Careless smoker Burning dump Burning dump	50.00	2,000.00
31	10.32 a m	Still	32 Bowditch st	David N Kelley		Automobile		Back fire		
32	2.58 p m	Still	Ft Washburn st	J T Miller	James Woolam	Dwelling	Wood	Burning dump Burning food Burning brush		
33	3.58 p m	Still	Boone & Winsor st							
34	11.37 p m	Still	Pleas & William st							
35	11.37 p m	Still	Ft Washburn st							
36	12.15 p m	Still	8 George st							
37	1.47 p m	Still	Diman & Whitman st							
38	1.45 p m	Still								

| 4 986.82 | 37,294.60 | 172,900.00 | 8 337.50

# RECORD OF SIGNAL FIRES—NOVEMBER, 1914.

Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
5	5.30 p m	Still	Sawyer st	Arthur Alazard	Dwelling	Wood	Burning dump Burning brush Burning brush				
6	8.56 p m	Still	Sawyer st								
6	1.33 p m	Still	Willard st								
7	5.50 a m	423	287 Sawyer st								
7	12.24 a m	72									
8	3.47 p m	Still	Freight st								
8	7.20 p m	Still	N Y N H track								
8	5.14 p m	411	Acushnet ave								
12	3.07 p m	Still	152 Cottage st	W H Langshaw	Ash house	Wood	False alarm				
12	4.36 p m	423	Omer L. Heurieux	Orila Soucy	Dwelling	Wood	Burning rubbish Red fire reflection Electricity				
13	6.43 p m	59	Union Tremont st	Henry Barthivinski	Dwelling	Wood	False alarm	10.00	15.00	3,500.00	500.00
13	9.52 a m	Still	306 Chancery st	Alphonse Cross	Dwelling	Wood	Child and match	20.00			
13	7.15 p m	Still	245 Browell st	E C Canby	Dwelling	Wood	Careless smoker				
15	7.20 p m	Still	538 So Water st	John F. Dias	Saloon	Wood	Burning brush	59.00		2,000.00	
15	12.52 p m	454	Shawmut ave	Henry J Ackerman	Dwelling	Wood	Burning brush	108.50		1,000.00	
15	7.12 p m	531	412 Mill st	Manuel Munay	Dwelling	Wood	Oil stove				
16	7.12 p m	71	30 South st	Edward Sansoury	Laundry	Wood	Burning soot	257.00	628.18	500.00	800.00
16	2.51 a m	313	Central ave	Evangeliste Casavanti	Dwelling	Wood	Child and match	25.00	150.00	500.00	500.00
17	8.38 a m	311	26 Bullard st	Joseph Sylvia	Dwelling	Wood	Careless use of match	2.00			
17	3.47 p m	Still	88 Potomaska st								
17	3.47 p m	Still	Person st								
17	7.30 p m	Still	68 So. Water st	J Barros	Dwelling	Wood	Burning dump	150.00	50.00		
18	9.27 p m	562									
18	10.26 p m	47	1705 Purchase st	Kennedy & Berry	Store	Brick	Cigar or cigarette	50.00	227.50	18,000.00	1,000.00
19	7.45 p m	47	39 No. Sixth st	Wm Babbitt	Dwelling	Wood	Burning soot				
22	12.12 p m	713	865 So. Water st	H L Bonneau	Dwelling	Wood		100.00	50.00	2,400.00	1,300.00
24	1.45 a m	723	23 Arushnet ave	Walter Chowski	Dwelling	Wood		700.00			
24	2.00 p m	522	304 Kempton st	Walter H. Peirce	Stable, Dwel.	H & W		57.00	50.00	5,500.00	
25	8.45 p m	Still	578 Union st	Henry W. Taber	Dwelling	Wood	Spark from stove				
25	3.17 p m	Still	Willard st				Burning soot				
27	10.30 p m	Still	Pleasant st	U. S. Government			Burning brush				
27	4.02 a m	7	162 Acushnet ave	Marino Mello	P. O. in con.	Stone	Needless alarm	825.00	716.00	18,000.00	4,100.00
27	4.19 p m	723	60 Mosher st	J Bettencourt	Bowl. alley	Brick	Discarded cigarette	5.75		1,000.00	
27	7.00 p m	Still	Union Tremont st				Child and match				
28	9.38 a m	Still	161 Middle st	Mrs. Johnson	Dwelling	Wood	Burning rubbish				
28	11.54 a m	Still	Sassaquin	E L Cronin	Dwelling	Wood	Burning soot				
28	4.56 p m	Still	Norman st	E J Arcand	Automobile	Wood	Back fire				
28	4.56 p m	Still	Linden, Par. sts				Burning dump				
28	6.58 p m	47	874 Purchase st	A D McMullen	Store	Wood	Red fire in auto	74.00	600.00	8,000.00	
28	12.55 a m	Still	114 Crinnell st	E B MacLeod	Dwelling	Wood	Burning soot	5.00	5.00		
28	9.30 a m	Still		A & P Tea Co							
28				Jos Tahares							
									2,448.26	2,489.68	61,900.00
											8,200.00

# RECORD OF SIGNAL FIRES—DECEMBER, 1914.

No.	Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
1	9.51 p m	58	W Maxfield st	John Cabralia	John Cabralia	Dwelling	Wood	Burning ash barrel	-105.88			
2	7.44 a m	741	101 Dunbar st	Manuel Lima	Manuel Souza	Stable	Wood	False alarm	100.00	300.43	300.00	500.00
3	8.54 a m	471	1605 Acushnet av	Walter H Peirce	Joseph Campbell	Dwelling	Wood	Defective chimney				
4	4.42 p m	Still	310 Kempton st	H Jenckson	Charles Peris	Dwelling	Wood	Burning ash barrel	85.00		2,500.00	
5	8.58 a m	Still	338 So Water st	Frank Vera	Arthur L Tucker	Restaurant	Wood	Burning soot				
6	7.04 a m	614	31 Maple st	Manuel Lima	Manuel Lima	Dwelling	Wood	Burning soot				
7	9.09 a m	Still	103 Dunbar st	Manuel Lima	Charles Peris	Restaurant	Wood	Boy and match	20.00		2,500.00	7,000.00
8	3.17 p m	614	338 So Water st	Frank Vera	Charles Peris	Dwelling	Wood	Careless smoker	97.00	25.75	7,914.00	500.00
9	4.27 p m	Still	515 Maxfield st	Minnie George	Joseph Davis	Offices stores	Brick	Lamp accident	18.50	2.00	1,800.00	
10	12.06 a m	553	730 Pleasant st	Est Geo F Lewis	N B Stm Laun, etc	Dwelling	Wood	Burning food	1,000.00	187.50	2,500.00	500.00
11	11.52 p m	712	13 Rivet st	Horr Queen	Manuel Alvin	Dwelling	Wood	Spontaneous comb	1,916.00	945.00	3,000.00	1,500.00
12	1.56 p m	Still	35 Nye st	Fred Hazard	Joseph Gartin	Dwelling	Wood	Gas jet	5.00	5.25	2,000.00	500.00
13	5.44 a m	431	125 Belleville av	Isaac Portnoy	Morris Rutman	Dwelling	Wood	Remaining sparks	10.00		2,000.00	
14	6.20 a m	Still	19 Seventh st	M J Buchanan	Peter Lambert	Dwelling	Wood	Burning soot				
15	6.55 a m	Still	19 Seventh st	M J Buchanan	Peter Lambert	Dwelling	Wood	Foreign sub in cotton				
16	3.20 p m	463	32 Clark st	Frank Gonsalves	Peter Lambert	Dwelling	Wood	Sparks from chimney				
17	9.05 a m	Still	402 County st	Mrs T H Knowles	Frank T H Knowles	Dwelling	Wood	Hot ashes in rubbish				
18	7.20 p m	Still	81 Corvill st	Cordelia Viera	Wm Cole	Dwelling	Wood	Burning dump				
19	10.10 a m	Still	1240 Kempton st	Nashawana Mills	Nashawana Mills	Picker room	Brick	Lamp accident				
20	1.50 p m	Still	64 Forest st	Nancy Stables	P J Crofton	Stone shed	Wood	Hot ashes	1,125.00	800.00	1,450.00	1,000.00
21	10.07 p m	47	1872 Purchase st	John H Watson	Las Morris	Shoe shining	Wood	Overheated chimney	500.00	200.00	2,000.00	1,000.00
22	3.06 p m	Still	1821 Purchase st	Smith Bros	Smith Bros	Stable	Wood	Careless use matches				
23	7.15 p m	821	Brown & Winsor sts	Wm Sullivan	Wm Sullivan	Dwelling	Wood	Defective chimney				
24	1.18 p m	Still	90 Wilbard st	Chas N Serpa	Chas N Serpa	Dwelling	Wood	Burning soot				
25	8.11 p m	821	268 Hawthorn st	Samuel Riding	Samuel Riding	Dwelling	Wood					
26	8.45 p m	Still	160 Aquidneck st	C W Chace	C W Chace	Automobile	Wood					
27	7.45 p m	Still	Reedford Sixth sts	Harry Queen	Harry Queen	Store, d'w'ing	Wood					
28	10.20 p m	614	427 So Water st	Manuel Rose	M M Jerusalem	Bakery	Wood					
29	6.33 p m	Still	741 Howland st	Mrs E K Howland	A J Correa	Dwelling	Wood					
30	5.07 p m	614	95 Madison st	Mrs E K Howland	Mrs E K Howland	Dwelling	Wood					

# DECEMBER — CONTINUED

Date	Time	Signal	Location	Owner or Agent	Occupant	Occupied as	Class of Building	Cause	Damage to Building	Damage to Contents	Insurance on Building	Insurance on Contents
26	9:27 a m	Still	337 Orchard st	C L Barstow	C L Barstow	Dwelling	Wood	Burning soot	1,087.10	1,500.00	1,900.00	1,000.00
26	10:44 p m	434	r 43-47 Wash'n st	Frank Kosztola	Frank Kosztola	Bakery	Wood	Careless smoker	50.00		2,000.00	500.00
27	8:40 a m	512	6 Pearl st	Amelia Grossi	Amelia Grossi	Stores dw'ing	Wood	Defective fireplace	10.00		2,000.00	
27	12:37 p m	Still	Pleasant Campbell sts	Est Chas A Derby	Derby Hospital	Hospital	Wood	Oil stove accident	250.00	40.75		400.00
27	1:35 p m	57	12 Spruce st	Frank W Bumpus	Mrs. Gilmore	Dwelling	Wood	Thawing water pipe				
27	2:20 p m	Still	76 Cedar st	William York	Manuel Perry	Dwelling	Wood	Match accident	100.00	1,000.00		600.00
28	10:07 p m	3	(2309 Acush av	Alfred Dextradeur	Andrew Murphy	Garage	Wood					
28	10:08 p m	Still	105 So Sixth st	Edmond F Cody	Edmond F Cody	Dwelling	Wood	Burning soot	10.00		20,000.00	800.00
29	1:48 p m	Still	Ft Washburn st	Zoel Roy	Manuel Claudino	Stores dw'ing	Wood	Burning dump	50.00	75.00	1,000.00	
29	12:10 a m	Still	1494 Acushnet av	Morris Cohen	Cong L Hazedeck	Synagogue	Wood	Plasterer's stove				
30	8:54 a m	7	334 So First st	Thos Gregory								
30	3:35 p m	Still	Mt Pleasant Adams						7,500.48	5,896.68	73,714.00	16,650.00

THIRTY-SIXTH ANNUAL REPORT  
OF  
THE BOARD OF HEALTH  
OF THE  
CITY OF NEW BEDFORD

To the City Council for the Year 1914.



NEW BEDFORD, MASS.:  
NEW BEDFORD PRINTING CO., PRINTERS  
1915





## REPORT

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NEW BEDFORD, January 1, 1915.

*To the Honorable the Mayor and City Council :*

GENTLEMEN :—The Board of Health submits its 36th annual report for the year 1914.

During the year there were reported at this office 1,750 deaths; of this number 534 were children under one year of age. The death rate for the year was 15.09+.

The State law requires physicians, nurses, midwives and parents to report to the Board of Health all cases of red eyes occurring in children under fourteen days old, and directs that the Board of Health shall be satisfied that each case shall receive proper treatment. Acting under these directions the Board of Health insists on having some eye specialist see each case reported and to treat those cases which require treatment.

In 1914, 304 cases of bad eyes were reported, 146 of which were serious and required treatment. In no one of these cases is the eyesight impaired. Since the law became operative no case of impaired vision has resulted where the Board of Health was given early notice.

Some few years ago the board requested midwives to report immediately all births attended by them, so that the Board of Health nurse could visit the children to note the condition of their eyes, until the 14th day after birth. Soon after this the State enacted a law requiring midwives to report all births within six hours.

### MILK SUPERVISION.

If the instructions given to the Inspector of Milk, by the present board, are carried out by the board of 1915, each distributor of milk will be required to have knowledge of the farm from which his supply comes, and of the methods of handling the milk, before he will be given a license to distribute milk in the city.

Of the cases of typhoid fever which occurred in the early fall the cause of 26 of these was traced to two milk dealers. The dealers were intelligent and reasonable, and co-operated with the board in prompt action to stay the spread of the disease. The District Nursing Association in this as in other activities of the board rendered splendid service.

### SCARLET FEVER.

Early in the year one of the Medical School Inspectors advised closing a room in the Mary B. White School because of an outbreak of scarlet fever. It was explained to the inspector that the best thought is against closing schools on account of scarlet fever and diphtheria; that better control is had by keeping schools open and teaching children at such times to keep apart from each other, to keep their hands scrupulously clean, and to keep their fingers out of their mouths and noses. It was suggested that the inspector should make daily inspections of the mouths, noses and ears of the children. Here was a chance to make medical school inspection worth while. The physician visited the school and made examinations every day until the danger was passed. A member of the board visited the school several times and made suggestions to the teacher of the grade. Children standing shoulder to shoulder at the blackboard were sent to their seats and told to keep as far apart as possible. No more cases occurred in that room.

After the last case was reported from the school two members of the School Board criticized the Board of Health because of its refusal to close the schoolroom on the advice of the Medical School Inspector. They were reported to have said they would not permit their children to attend that school. To be consistent these members of the School Board should have endeavored to close the school to protect other people's children — but this they did not do. The School Board has responsibilities and powers in the schools as great as those of the Board of Health. At least two members and the superintendent were in close touch with the best thought on handling epidemics, and they lent their support to the action of the Board of Health. A son of a member of the Board of Health was a pupil in the affected room and his parents were, undoubtedly, as solicitous for his welfare as intelligent parents would be.

#### TENEMENT HOUSE INSPECTIONS.

Realizing the necessity of better tenement house inspection the board has filed a bill with the Massachusetts Legislature which, if passed, will give to the board the authority necessary for proper inspection.

#### TUBERCULOSIS.

New Bedford is particularly fortunate in its Anti-Tuberculosis Society, composed as it is of noble women and men, giving of their time and means to stamp out tuberculosis and to relieve the sufferings of tuberculous patients. Very efficient work is being accomplished at the Sassaquin Hospital and in the homes of patients.

The Tuberculosis Clinic is doing much in the fight against tuberculosis, and is being more and more appreciated by the people of New Bedford. The clinic is in charge of three physicians who have specialized in tuberculosis, and who give their

time — without pay — to do their part in this life's work. Many people have reason to ask blessings for Dr. J. G. Hathaway, Dr. J. J. H. McAllister and Dr. S. H. Remich.

But there is still much work to be done. Each manufacturing establishment should employ a physician to examine its employes to detect tuberculosis in its first stages and to advise patients how to care for themselves.

When a case of tuberculosis is discovered in a family each member of the family should be examined and instructed by the physician on right methods of living, and kept under surveillance. Let the physicians all get together with the Anti-Tuberculosis Society or the Board of Health and agree upon some effective method to be adopted by all. When a family cannot afford to have all of its members examined, let the Anti-Tuberculosis Society or the Board of Health supply the physician. Where there is a case of tuberculosis in a family, there may be another later, but there should not be if proper treatment and care are given. A conference of the physicians, Anti-Tuberculosis Society and the Board of Health, should lead to the adoption by all of the best and most effective methods of treating with this disease.

#### MEDICAL SCHOOL INSPECTION.

The Medical School Inspectors are performing conscientiously and well the duties assigned to them. The board feels that more efficient work can be done by changing methods, and to this end has appointed a committee of three — Rev. W. B. Geoghegan of the School Board, Dr. A. H. Mandell, Bacteriologist to the Board of Health, and Dr. W. A. Neild, Medical School Inspector — to prepare a program of inspection. The committee has not yet reported, and the matter may not be acted upon by the present Board of Health.

## STABLES.

No person is permitted to build a stable within fifteen feet of another person's residence. All new stables must have rat-proof floors, and stalls connected with the sewer. Manure must be placed in tight covered barrels, and removed once a week.

Two of the daily papers are on record as opposed to a license for a stable on Court street, west of Ash street, and in their editorials told of the great work of Dr. M. J. Rosenau, in connecting the stable fly with Infantile Paralysis, through his experiments on monkeys. As Dr. Rosenau is one of the foremost medical investigators in the country his opinion should be of the greatest weight. Following its usual custom of getting the best advice possible, a letter was sent to Dr. Rosenau, describing conditions and asking if the stable would be a menace to the health of the people living near the stable. Here is his judgment of the case:

HARVARD UNIVERSITY  
MEDICAL SCHOOL

Department of Preventive Medicine and Hygiene

Boston, Massachusetts, Aug. 6, 1913

Dr. F. M. Kennedy,  
Chairman, Board of Health,  
New Bedford, Mass.

My Dear Doctor Kennedy:—

In response to your letter of Aug. 5th I have to state that we have not yet sufficient data to translate our experiments from monkeys to man. Enclosed is a reprint of an article which I have just written on, "The Mode of Transmission of Poliomyelitis" which sums up our present knowledge on the subject. The fly nuisance in stables may best be controlled by cleanliness, and frequent removal of the manure at least once a week. If a stable is well constructed of cement blocks, with sewer connections, and the manure kept in tight covered barrels, and all well screened, it should not be a menace to the

health of those living in the neighborhood. The barrels in which the manure is kept, however, must be tight, else the larvæ will escape and crawl across the pavement to the neighboring soil where they will hatch.

Very truly yours,

(Signed) M. J. ROSENAU.

### YARDS, ALLEYS, ETC.

Every day is cleanup day in New Bedford, and necessarily so, because of the carelessness of some of the inhabitants. The conditions in yards and alleyways are much better than formerly because of frequent inspections. Some members of the Police Department are of great assistance in keeping this work up, and if every member of the police force would take the same interest conditions would approach the ideal.

There is no control of social diseases. The following plan may have some merit: The Legislature to enact law making it a penal offense to sell patent medicines for the cure of venereal diseases. That physicians report all cases by number to the Board of Health. The name of the patient to be known to no one but the physician and the patient while he is undergoing treatment. Treatment to be continued until cure is effected. Patient changing physicians to have second physician notify first physician that he has taken on his case numbered 1 and to report to Board of Health that he has taken on first physician's No. 1 case. Should a patient discontinue treatment before cure is effected his name to be reported to Board of Health which board may treat him until cured.

Make it a punishable offense to transmit disease while under treatment.

### COST OF SMALL POX QUARANTINE.

In quarantining a house containing fifty or sixty persons — many of whom are wage earners and are entitled to  $\frac{3}{4}$  of their wages up to \$12, the expense to the City is large. It does

seem that with vaccination as now conducted, that people of the house — not of the family affected — could be permitted to follow their usual occupations. This question should be put up to the best experts in the country.

Some of the local newspapers have seemed disposed to treat very lightly any suggestion for improvement made by a resident of New Bedford. Some years ago when San Francisco was fighting the plague, this board recommended to the City Council the passage of an ordinance requiring the rat-proofing of all new buildings. This was treated as a joke by at least one paper, but since that time editorial commendation has been extended to other cities which require rat proof buildings and the destruction of rats.

Best results in any work can only be accomplished by the hearty, intelligent co-operation of all. This co-operation should be more than a privilege — it is a duty each should willingly discharge — and with particular force does this comment apply to our newspapers, for with them rests an almost unlimited power to be useful and helpful. The best efforts of officials, who have given careful consideration to a problem, may be partly or wholly nullified by thoughtless or ill-founded newspaper comment.

A few months since, the editor of one of the papers was wrought up because covers are sometimes left off of garbage cans and flies would breed very fast.

For aesthetic and other reasons garbage cans probably should be covered but as far as the breeding of flies is concerned the open garbage can would do more than anything else to stop breeding. It takes seven or ten days for flies to breed, and if all flies' eggs were deposited in garbage cans, we would effectually stop their breeding, because the garbage is collected and sterilized 3 times a week. That some of the newspapers do not enter more heartily into health matters is a misfortune to New Bedford. That their criticisms are of such trivial character is rather pleasing to the Board of Health.



**WATERING TROUGHS.**

The watering trough for horses should be abolished and in its stead a hydrant should be installed, from which a driver may draw water into a pail carried by him.

**PLUMBING.**

During the year there were issued 1029 permits for plumbing work of all kinds, 560 being for old buildings and 469 for new structures. The work is classified as follows:

Water closets . . . . .	1725
Wash tubs . . . . .	345
Sinks . . . . .	1553
Wash bowls . . . . .	1265
Bath tubs . . . . .	1053
Butler's sinks . . . . .	10
Ice chests . . . . .	4
Shower baths . . . . .	3
Floor drains . . . . .	26
Traps . . . . .	27
Conductors . . . . .	19
Urinals . . . . .	42
Stables . . . . .	9
Brick sinks . . . . .	10
Bar sinks . . . . .	5

**EXPENDITURES.**

The following are the expenditures in this department by months for the financial year ending Nov. 30, 1914:

December . . . . .	\$7,960.87
January . . . . .	8,587.53
February . . . . .	7,856.79
March . . . . .	8,086.09
April . . . . .	8,192.06
May . . . . .	8,924.72
June . . . . .	8,290.59
July . . . . .	8,742.76
August . . . . .	9,090.88
September . . . . .	8,644.38
October . . . . .	8,223.80
November . . . . .	8,918.12
Total . . . . .	\$101,518.59

**LICENSED UNDERTAKERS.**

There were nineteen licensed undertakers in the city as follows:

Frank L. Rogers,  
Henry J. McDonald,  
A. P. Lagasse & Son,  
Aldege Chausse,  
Peleg H. Sherman,  
W. C. Vaughan, Jr.,  
Rodolphe J. Carrier,  
Jeremiah F. Sullivan,  
Robert G. Bennett,  
Henry P. Wilson,

Henry J. Proulx,  
Joseph S. Williams,  
John E. Moriarty,  
Charles H. Sullivan,  
Wm. A. Payette,  
Vital Girard,  
Edward D. Murphy,  
Thomas E. Green,  
Wm. D. Harris & Co.

Respectfully submitted,

F. M. KENNEDY, D. D. S.,  
L. Z. NORMANDIN, M. D.,  
HAROLD WINSLOW,  
Board of Health.

## AGENT'S REPORT.

January 1, 1915.

*To the Board of Health :*

GENTLEMEN : The statistical record of the work accomplished in this department is herewith appended.

The services of both the parochial school nurse and the regular nurse who assists in the relief given patients suffering with tuberculosis were continued through the year with satisfactory results. Miss Lowney, the nurse in the parochial schools, besides attending the various schools in her charge, has made 432 visits to the homes of pupils, under her supervision, while Mrs. Chace has rendered valuable aid in the homes of 53 persons where pulmonary tuberculosis existed, the patients therein preferring home treatment. In addition to these visits she has made 2049 visits to the homes of the newly born where midwives have officiated. As has been the custom during the last five years there has been mailed to the mother of every new born child a printed circular giving instructions how to care for the new comer during infancy. The following table gives the detail of this work.

	No. of Births	Reported by Midwives	Visits by Nurse	Reports of Oph. Neon.
January . . . . .	286	73	197	9
February . . . . .	293	68	142	13
March . . . . .	288	74	194	6
April . . . . .	259	67	178	9
May . . . . .	255	66	140	13
June . . . . .	296	64	144	16
July . . . . .	256	76	169	20
August . . . . .	328	104	129	15
September . . . . .	269	81	204	13
October . . . . .	267	76	174	14
November . . . . .	268	72	188	8
December . . . . .	272	72	190	20
Totals . . . . .	3337	893	2049	156

## TUBERCULOSIS.

In addition to the regular investigations made by the Medical Inspector, there have been visited by me 574 cases of contagious diseases, requiring either medical aid or financial assistance. The greater number of these investigations were cases of pulmonary tuberculosis, and right here I might say that the demand upon this department by persons suffering with this disease called for the largest expenditure since this phase of health work was made obligatory by law. To be exact \$34,212.06 have been expended for this worthy cause alone, \$12,463.61 of which sum will be returned to the City Treasurer during the year, making the actual cost to New Bedford for the care of tubercular patients during the year \$21,560.73.

There were treated during the year ending November 30, 1914, 237 cases as follows: At the New Bedford Sanatorium 163 cases, at other hospitals 21, while 53 were cared for at their respective homes. The condition of the patients discharged from the New Bedford Sanatorium follows: Arrested 9, Improved 37, Unimproved 12, unclassified 3. There were 39 deaths. December 1st, 1914, there were 61 patients at that institution under treatment for the city and 31 at their respective homes. Of the 53 cases treated last year at their homes, five have been declared arrested. In addition to the above 35 patients having no settlement in any city or town in the Commonwealth were removed to the State Hospital at Tewkesbury by officials of the State Board of Charity.

The nativity of the patients treated in this city follows:

New Bedford . . . . .	55
United States other than New Bedford . .	43
Western Islands . . . . .	36
Canada . . . . .	27
England . . . . .	19
Cape de Verde Islands . . . . .	11
Portugal . . . . .	10
Austria . . . . .	10
Ireland . . . . .	7
Russia . . . . .	5
Italy . . . . .	3
France, Sweden and Germany two each, and	
West Indies, Scotland, Belgium, Brazil and	
Ladrone Islands one each.	

As usual mill operatives (78) were very much in excess of any other class of wage earners suffering with this disease, laborers and women engaged in housework being tie with 28. Of the 237 patients treated by the city 30 were children of school age. The New Bedford Sanatorium now has an open air school for children under treatment. This was made possible by the New Bedford School Board which furnished the necessary equipment for maintaining such a school.

#### OPHTHALMIA NEONATORUM.

For the year ending November 30, 1914, there were reported at this office 304 cases of bad eyes in infants, the largest number of any fiscal year since the enactment of law making it compulsory to report such conditions. Out of this number 146 proved to be cases of ophthalmia neonatorum. Promptness in reporting these cases and skilful treatment fortunately saved the sight of every child, which is certainly a remarkable record when it is considered that such a large number was afflicted. In many cases the services of a trained nurse were necessary. For the treatment of these cases there was expended the sum of \$6,480.97. The credits to this account amount to \$2,028.52.

## OTHER CONTAGIOUS DISEASES.

During the year the board was called upon to aid 26 persons suffering with typhoid fever. Of this number eight were settled in New Bedford, two in other cities in the State and sixteen were State cases, for which the city will later be reimbursed. All of these cases were treated at St. Luke's Hospital. An epidemic of this disease made its appearance early in September, and during its run the Board made arrangements with the District Nursing Association to look after such cases as were treated at home.

Four cases of diphtheria were treated at the Isolation Hospital, all settled in New Bedford, while three cases of cerebro spinal meningitis given treatment were children who came under the care of the Commonwealth.

In the matter of scarlet fever the demand was greater, no less than 40 persons being furnished aid, 25 of whom were settled here, eight in other cities and towns, and seven being State charges.

During the year the Isolation Hospital, which under the law must be constantly maintained, received four patients suffering with diphtheria and 25 ill with scarlet fever.

## EXPENDITURES CONTAGIOUS DISEASES.

The expenditure for contagious diseases during the year is summed up as follows :

Tuberculosis	
New Bedford Sanatorium . . .	\$26,910.17
Paid other cities . . . . .	829.99
St. Luke's Hospital . . . . .	2,324.11
Treated at Home . . . . .	4,147.79
Isolation Hospital . . . . .	3,509.71
Ophthalmia Neonatorum . . .	6,480.97
Scarlet Fever	
Treated at homes . . . . .	150.69
Paid other cities . . . . .	380.71
Typhoid Fever . . . . .	1,340.95
Other Contagious Diseases . . .	531.70
Total . . . . .	<u>\$46,606.79</u>

The amounts which should be credited to the department, and which will later be paid to the City Treasurer are as follows:

## COMMONWEALTH OF MASSACHUSETTS.

Tuberculosis . . . . .	\$2,324.59
Subsidy . . . . .	9,074.26
Ophthalmia Neonatorum . . . . .	1,821.27
Typhoid Fever . . . . .	631.05
Scarlet Fever . . . . .	398.00
Cerebro Spinal Meningitis . . . . .	24.35

## CITIES AND TOWNS.

Tuberculosis . . . . .	\$1,152.20
Ophthalmia Neonatorum . . . . .	207.25
Scarlet Fever . . . . .	84.21
Typhoid Fever . . . . .	57.25
Total . . . . .	\$15,774.84

The following tables give the record of dangerous diseases together with the deaths from the same:

## BOARD OF HEALTH

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MONTHS		Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Small Pox		Ophth. Neon.		Poliomyelitis		Pulmonary and Military Tuberculosis		Meningeal Tuberculosis		Other Forms of Tuberculosis		Total for Month	
		Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Jan.	. .	21	4	75	4	4	0	10	0	5	0	0	0	9	0	0	0	23	12	1	0	3	1	151	21
Feb.	. .	12	4	95	8	0	1	3	0	9	1	0	0	13	0	0	0	21	15	1	0	1	3	155	33
Mar.	. .	9	1	43	1	0	0	3	0	2	1	0	0	6	0	0	0	43	10	0	2	3	1	109	16
Apr.	. .	6	1	30	2	1	0	2	0	0	0	0	0	9	0	0	0	35	17	1	3	6	0	92	21
May	. .	5	0	16	0	3	2	4	1	6	0	0	0	13	0	0	0	32	15	2	1	5	0	86	21
June	. .	8	1	12	2	9	0	1	0	5	0	0	0	16	0	0	0	33	11	2	4	5	2	91	20
July	. .	6	1	9	2	10	3	3	0	2	1	0	0	20	0	0	0	22	4	2	3	5	0	84	14
Aug.	. .	4	1	2	0	7	0	4	0	2	0	0	0	15	0	1	0	27	9	1	2	4	2	77	14
Sept.	. .	9	3	11	1	54	1	7	0	4	0	0	0	13	0	2	0	26	15	1	1	5	0	132	21
Oct.	. .	12	1	34	2	28	2	18	0	5	1	0	0	14	0	2	1	28	9	0	0	1	1	142	17
Nov.	. .	26	2	34	3	15	2	17	0	8	0	0	0	8	0	0	0	21	8	0	0	0	0	129	15
Dec.	. .	15	2	23	1	23	1	11	1	12	1	0	0	20	0	0	0	30	11	0	1	0	0	135	18
Total	. .	133	21	384	26	154	12	83	2	67	5	0	0	156	0	5	1	351	136	12	18	38	10	1383	231



## CASES AND DEATHS FOR EACH YEAR SINCE 1906.

YEARS	Diphtheria		Scarlet Fever		Typhoid Fever		Measles		Whooping Cough		Small Pox		Ophthalmia Neonatorum		Folliculomyelitis		Pulmonary and Miliary Tuberculosis		Meningeal Tuberculosis		Cases Other forms Tuberculosis	
1907	128	12	105	0	102	10	89	0	7	3	0	0	1	0	0	0	139	133				
1908	91	13	175	10	98	20	483	4	54	5	0	0	3	0	0	0	190	124			0	2
1909	79	15	326	7	126	20	210	1	64	8	3	0	5	0	0	0	205	122			0	6
1910	96	24	246	5	193	17	697	3	9	3	2	0	5	0	24	8	204	102	0	17	3	8
1911	81	9	116	0	109	22	123	3	107	13	0	0	26	0	6	0	208	129	0	21	21	8
1912	125	19	141	0	117	18	481	1	20	1	2	0	35	0	4	0	246	120	3	17	46	8
1913	154	35	319	1	92	9	1290	2	67	3	29	0	58	0	19	0	284	114	8	24	50	19
1914	133	21	384	26	154	12	83	2	67	5	0	156	0	0	5	1	351	136	12	18	38	10

## MILK SUPERVISION.

During the year there were 181 inspections of dairy farms. This work was accomplished in company with Dr. H. B. Hamilton, the milk inspector. With but few exceptions the dairy farms supplying this city with milk were found in good condition, but these few are chronic so far as needing close attention. The following table gives the detail of milk examinations :

	No. of Samples	Bottles	Cans	Duplicates	Under 60,000	Over 200,000
January . . . . .	28	28	0	0	28	0
February . . . . .	0	0	0	0	0	0
March . . . . .	0	0	0	0	0	0
April . . . . .	136	117	19	8	122	10
May . . . . .	120	89	31	12	104	11
June . . . . .	143	114	29	12	128	9
July . . . . .	90	82	8	14	72	14
August . . . . .	37	24	13	3	32	5
September . . . . .	80	55	25	8	65	8
October . . . . .	0	0	0	0	0	0
November . . . . .	7	7	0	0	7	0
December . . . . .	0	0	0	0	0	0
Totals . . . . .	641	516	125	57	558	57

In this connection it might be said that the value of a supervision of a city's milk supply was never better illustrated than in the following record for the last five years in this city, despite the fact that New Bedford has a large infant mortality. In 1910 during the months of June, July, August and September, there were 358 deaths of children under one year of age. Since then during the same period in each year the record has been: 1911, 283 deaths; 1912, 236; 1913, 226; 1914, 228. Quite a falling off since 1909. It would seem that even better results should be obtained, for with the individual attention paid by the district nurses and the distribution of literature

printed in different languages, instructing mothers how to care for children in infancy, to say nothing of the care given the city's milk supply, the number of deaths during these trying months should be smaller.

### TENEMENT DWELLERS.

One of the most discouraging features of tenement house work is the indifference manifested by many tenants in the condition of the rooms in which they live. It is of little avail to preach the gospel of fresh air; while in many instances useless rubbish clutters entryways and halls. Too often the owners of tenement houses are not to blame, and until the legislature gives New Bedford the authority desired it will be difficult to bring about any radical change in these conditions. Added to this is the difficulty of preventing overcrowding. If this phase of health work is placed under legal supervision, much good can be accomplished. Until then supervision is like turning water into a sieve. Every tenement house in this city is furnished with good clean water led into the houses, while there is not a tenement house in the city but what is equipped with one or more water closets, the obnoxious privy vaults of years ago being abandoned. The property owner has given tenants every convenience along these lines yet too often the tenants themselves have but little regard for cleanly conditions.

### EXAMINATION FOR INSANITY.

During the year there were nine requests for examination for insanity under Chapter 394, Acts of 1911, and of this number it was found necessary to have six of the persons examined committed to an insane hospital.

The following is a monthly record of the work performed during the year :

## JANUARY.

Contagious diseases investigated . . . . .	53
Houses placarded . . . . .	68
Rooms disinfected . . . . .	203
School rooms disinfected . . . . .	13
Nuisances abated . . . . .	27
Privy vault nuisances . . . . .	0
Garbage complaints . . . . .	43
Bakeries inspected . . . . .	3
Stables located . . . . .	2
Stable nuisances abated . . . . .	2
Notices issued . . . . .	14
Yard inspections . . . . .	2
Tenement houses inspected . . . . .	6
Piggeries inspected . . . . .	0
Inspection milk peddlers' plants . . . . .	4
Dairy farms inspected . . . . .	0
Inspection of bad milk . . . . .	2
Nurses' visits . . . . .	327
Nurses' visits to homes . . . . .	42
Milk samples taken . . . . .	28
Notices to mothers mailed . . . . .	286
Market inspection . . . . .	18
Cow barns inspected . . . . .	75

## FEBRUARY.

Contagious diseases investigated . . . . .	30
Houses placarded . . . . .	77
Rooms disinfected . . . . .	383
School rooms disinfected . . . . .	35
Nuisances abated . . . . .	16
Privy vault nuisances . . . . .	1
Garbage complaints . . . . .	35
Bakeries inspected . . . . .	1
Stables located . . . . .	0
Stable nuisances abated . . . . .	2
Notices issued . . . . .	8
Yard inspections . . . . .	6
Tenement houses inspected . . . . .	0
Piggeries inspected . . . . .	0

## BOARD OF HEALTH

Inspection milk peddlers' plants . . . . .	2
Dairy farms inspected . . . . .	0
Inspection of bad milk . . . . .	0
Nurses' visits . . . . .	245
Nurses' visits to homes . . . . .	30
Milk samples taken . . . . .	0
Notices to mothers mailed . . . . .	293
Market inspections . . . . .	16
Cow barns inspected . . . . .	66

## MARCH.

Contagious diseases investigated . . . . .	43
Houses placarded . . . . .	44
Rooms disinfected . . . . .	449
School rooms disinfected . . . . .	11
Nuisances abated . . . . .	24
Privy vault nuisances . . . . .	3
Garbage complaints . . . . .	26
Bakeries inspected . . . . .	3
Stables located . . . . .	3
Stable nuisances abated . . . . .	4
Notices issued . . . . .	6
Yard inspections . . . . .	21
Tenement houses inspected . . . . .	2
Piggeries inspected . . . . .	1
Inspection milk peddlers' plants . . . . .	3
Dairy farms inspected . . . . .	0
Inspection of bad milk . . . . .	1
Nurses' visits . . . . .	320
Nurses' visits to homes . . . . .	40
Milk samples taken . . . . .	0
Notices to mothers mailed . . . . .	288
Market inspections . . . . .	25

## APRIL.

Contagious diseases investigated . . . . .	30
Houses placarded . . . . .	30
Rooms disinfected . . . . .	375
School rooms disinfected . . . . .	2
Nuisances abated . . . . .	38
Privy vault nuisances . . . . .	7
Garbage complaints . . . . .	41
Bakeries inspected . . . . .	0
Stables located . . . . .	3
Stable nuisances abated . . . . .	14

# BOARD OF HEALTH

23

Notices issued . . . . .	6
Yard inspections . . . . .	83
Tenement houses inspected . . . . .	1
Piggeries inspected . . . . .	18
Inspection milk peddlers' plants . . . . .	5
Dairy farms inspected . . . . .	0
Inspection of bad milk . . . . .	6
Nurses' visits . . . . .	284
Nurses' visits to homes . . . . .	35
Milk samples taken . . . . .	136
Notices to mothers mailed . . . . .	259
Market inspections . . . . .	151
Public lodging house inspections . . . . .	9

## MAY.

Contagious diseases investigated . . . . .	63
Houses placarded . . . . .	19
Rooms disinfected . . . . .	236
School rooms disinfected . . . . .	3
Nuisances abated . . . . .	39
Privy vault nuisances . . . . .	7
Garbage investigations . . . . .	50
Bakeries inspected . . . . .	0
Stables located . . . . .	1
Stable yard inspections . . . . .	47
Stable nuisances abated . . . . .	0
Notices issued . . . . .	14
Hen yard nuisances abated . . . . .	3
Yard inspections . . . . .	34
Tenement houses inspected . . . . .	9
Piggeries inspected . . . . .	3
Inspection milk peddlers' plants . . . . .	40
Dairy farms inspected . . . . .	27
Inspection of bad milk . . . . .	6
Nurses' visits . . . . .	269
Nurses' visits to homes . . . . .	32
Milk samples taken . . . . .	120
Notices to mothers mailed . . . . .	255
Market inspections . . . . .	159

## JUNE.

Contagious diseases investigated . . . . .	45
Houses placarded . . . . .	16
Rooms disinfected . . . . .	63
School rooms disinfected . . . . .	1

Nuisances abated . . . . .	38
Privy vault nuisances abated . . . . .	19
Garbage investigations . . . . .	54
Bakeries inspected . . . . .	7
Stables located . . . . .	6
Stable yards inspected . . . . .	43
Notices issued . . . . .	4
Yard inspections . . . . .	19
Tenement houses inspected . . . . .	9
Piggeries inspected . . . . .	7
Inspection milk peddlers' plants . . . . .	6
Dairy farms inspected . . . . .	14
Inspection of bad milk . . . . .	2
Nurses' visits . . . . .	271
Nurses' visits to homes . . . . .	34
Milk samples taken . . . . .	143
Notices to mothers mailed . . . . .	296
Market inspections . . . . .	50

## JULY.

Contagious diseases investigated . . . . .	28
Houses placarded . . . . .	9
Rooms disinfected . . . . .	136
Nuisances abated . . . . .	49
Privy vault nuisances . . . . .	14
Garbage complaints . . . . .	39
Bakeries inspected . . . . .	45
Stables located . . . . .	1
Stable nuisances abated . . . . .	16
Notices issued . . . . .	7
Yard inspections . . . . .	28
Tenement houses inspected . . . . .	6
Piggeries inspected . . . . .	4
Inspection milk peddlers' plants . . . . .	6
Dairy farms inspected . . . . .	10
Inspection of bad milk . . . . .	2
Nurses' visits . . . . .	302
Nurses' visits to homes . . . . .	0
Milk samples taken . . . . .	90
Notices to mothers mailed . . . . .	256
Market inspection . . . . .	30

## AUGUST.

Contagious diseases investigated . . . . .	52
Houses placarded . . . . .	5
Rooms disinfected . . . . .	72
School rooms disinfected . . . . .	0
Nuisances abated . . . . .	36
Privy vault nuisances . . . . .	26
Garbage complaints . . . . .	61
Bakeries inspected . . . . .	25
Stables located . . . . .	3
Stable inspections . . . . .	23
Notices issued . . . . .	12
Yard inspections . . . . .	22
Hen yard inspections . . . . .	4
Tenement houses inspected . . . . .	3
Piggeries inspected . . . . .	4
Inspection milk peddlers' plants . . . . .	8
Dairy farms inspected . . . . .	10
Inspection of bad milk . . . . .	3
Nurses' visits . . . . .	338
Nurses' visits to homes . . . . .	0
Milk samples taken . . . . .	37
Notices to mothers mailed . . . . .	328
Market inspections . . . . .	40

## SEPTEMBER.

Contagious diseases investigated . . . . .	41
Houses placarded . . . . .	17
Rooms disinfected . . . . .	80
School rooms disinfected . . . . .	2
Nuisances abated . . . . .	24
Privy vault nuisances abated . . . . .	13
Garbage complaints . . . . .	84
Bakeries inspected . . . . .	24
Stables located . . . . .	6
Stable inspections . . . . .	53
Notices issued . . . . .	10
Yard inspections . . . . .	99
Hen yard inspections . . . . .	3
Tenement houses inspected . . . . .	9
Piggeries inspected . . . . .	3
Inspection milk peddlers' plants . . . . .	4
Dairy farms inspected . . . . .	7
Inspection of bad milk . . . . .	9



Nurses' visits . . . . .	350
School nurse's visits to homes . . . . .	20
Milk samples taken . . . . .	80
Notices to mothers mailed . . . . .	269
Market inspections . . . . .	30

## OCTOBER.

Contagious diseases investigated . . . . .	49
Houses placarded . . . . .	44
Rooms disinfected . . . . .	114
School rooms disinfected . . . . .	4
Nuisances abated . . . . .	31
Privy vault nuisances . . . . .	4
Garbage complaints . . . . .	72
Bakeries inspected . . . . .	6
Stables located . . . . .	6
Scallop shell nuisances investigated . . . . .	20
Stable inspections . . . . .	37
Notices issued . . . . .	42
Yard inspections . . . . .	21
Hen yard inspections . . . . .	4
Tenement houses inspected . . . . .	3
Piggeries inspected . . . . .	4
Inspection milk peddlers' plants . . . . .	10
Dairy farms inspected . . . . .	12
Inspection of bad milk . . . . .	3
Nurses' visits . . . . .	288
Nurses' visits to homes . . . . .	53
Notices to mothers mailed . . . . .	267
Market inspections . . . . .	20

## NOVEMBER.

Contagious diseases investigated . . . . .	71
Houses placarded . . . . .	58
Rooms disinfected . . . . .	227
School rooms disinfected . . . . .	13
Nuisances abated . . . . .	25
Privy vault nuisances . . . . .	5
Garbage complaints . . . . .	43
Bakeries inspected . . . . .	15
Public lodging house inspections . . . . .	2
Stables located . . . . .	1
Stable inspections . . . . .	50
Notices issued . . . . .	158

Yard inspections . . . . .	72
Hen yard inspections . . . . .	4
Tenement houses inspected . . . . .	8
Piggeries inspected . . . . .	4
Inspection of bad milk . . . . .	2
Nurses' visits . . . . .	316
Nurses' visits to homes . . . . .	71
Milk samples taken . . . . .	7
Notices to mothers mailed . . . . .	268
Market inspections . . . . .	52

## DECEMBER.

Contagious diseases investigated . . . . .	69
Houses placarded . . . . .	34
Rooms disinfected . . . . .	300
School rooms disinfected . . . . .	4
Nuisances abated . . . . .	13
Garbage complaints . . . . .	111
Bakeries inspected . . . . .	12
Stable inspections . . . . .	47
Notices issued . . . . .	3
Yard inspections . . . . .	63
Piggeries inspected . . . . .	1
Inspection food exposure . . . . .	27
Dairy farms inspected . . . . .	8
Nurses' visits . . . . .	337
Nurses' visits to homes . . . . .	69
Milk samples taken . . . . .	0
Notices to mothers mailed . . . . .	272
Market inspections . . . . .	25

Respectfully submitted,

WILLIAM G. KIRSCHBAUM,

*Agent and Executive Officer.*

**MEDICAL INSPECTOR'S REPORT.**

JANUARY 1, 1915.

*To the Board of Health:*

GENTLEMEN:—I herewith submit my annual report as Medical Inspector and as attending physician to contagious cases cared for by the board.

Cultures were taken in 116 cases of Diphtheria, and 373 cases of Scarlet Fever were examined for release; examined 50 persons suspected of having the same disease; also examined 174 persons for Tuberculosis. Investigated 22 cases for following reasons: Varicella 5; Anterior Poliomyelitis 4; Scabies 1; Cerebro Spinal Meningitis 1; Lichen flomus 1; T. B. Meningitis 2; Measles 1; Whooping Cough 4; Erythema 1; Syphilis 2. Examined 27 persons exposed to Small Pox; investigated 82 cases of Typhoid Fever. Have treated for the Board during the year 42 cases of Tuberculosis, 24 cases of Scarlet Fever and 5 each of Diphtheria and Typhoid Fever, and 1 case of Tubercular Meningitis; also attended to two cases of childbirth. Have signed 48 death certificates as Medical Inspector, there being no physician in attendance at time of death.

Respectfully submitted,

A. N. SENESAC, M. D.

*Medical Inspector.*

**REPORT OF INSPECTOR OF MILK.**

NEW BEDFORD, MASS., Jan. 1, 1915.

*To the Board of Health:*

GENTLEMEN:—I herewith submit my report as Inspector of Milk and Provisions for the year 1914. During the year I have issued 173 team licenses and 284 store licenses for the sale of milk and 10 team licenses and 8 store licenses for the sale of oleomargarine, making a total of 475 for which a fee of 50 cents each has been collected and turned into the city treasurer. The stores where milk is sold have all been inspected and 181 inspections of dairy farms and milk peddlers' plants have been made during the year. As Inspector of Provisions I have made 596 market inspections and 127 bakery inspections.

Respectfully submitted,

H. B. HAMILTON, V. S.,

*Inspector.*

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**REPORT OF INSPECTOR OF SLAUGHTERING.**

NEW BEDFORD, Jan. 1, 1915.

*To the Board of Health:*

GENTLEMEN:—My report as Inspector of Slaughtering for the year 1914 is hereby submitted:

No. Beef Cattle slaughtered . . . . .	296
No. of Swine slaughtered . . . . .	490
No. of Calves slaughtered . . . . .	471
No. of Sheep slaughtered . . . . .	27

Of the beef cattle, 22 were condemned; of the swine, 1 was condemned; of the calves, 4 were condemned as unfit for food; and of the sheep, none were condemned.

Respectfully submitted,

H. B. HAMILTON,

*Inspector.*

**NURSE'S REPORT.**

NEW BEDFORD, Jan. 1, 1915.

*To the Board of Health:*

GENTLEMEN:—I herewith submit my report for the year ending Dec. 31, 1914. During the year I have made 3,647 calls, 2,049 of which were upon the newly born reported to this department by physicians and midwives; the balance of visits being made upon persons suffering with tuberculosis. In several instances among the last named, the persons afflicted suffered with infected bones, which required frequent dressing and close attention.

Respectfully submitted,

SARA W. CHACE, R. N.

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**REPORT OF NURSE FOR THE PAROCHIAL SCHOOLS.**

NEW BEDFORD, Jan. 1, 1915.

*To the Board of Health:*

GENTLEMEN:—I herewith submit my report for the year ending Dec. 31, 1914. During the year I have made 404 visits to schools and 426 visits to the homes of pupils, besides investigating other cases in connection with this work.

Respectfully submitted,

CATHERINE W. LOWNEY.

**REPORT OF BACTERIOLOGIST.**

NEW BEDFORD, Jan. 1, 1915.

*To the Board of Health:*

GENTLEMEN:—I herewith submit my report for the year ending Dec. 31, 1914:

**Diphtheria—**

Whole number of cultures taken . . . . .	332
Whole number of cultures positive . . . . .	89
Whole number of cultures negative . . . . .	239
Whole number of cultures unsatisfactory . . . . .	4
Whole number of first cultures positive . . . . .	62
Whole number of first cultures negative . . . . .	158
Whole number of first cultures unsatisfactory . . . . .	1

**Tuberculosis Pul.—**

Whole number of specimens examined . . . . .	238
Whole number of specimens positive . . . . .	74
Whole number of specimens negative . . . . .	150
Whole number of specimens unsatisfactory . . . . .	14

The following is the report from the New Bedford Sanatorium:

Whole number of specimens examined . . . . .	241
Whole number of specimens positive . . . . .	103
Whole number of specimens negative . . . . .	135
Whole number of specimens unsatisfactory . . . . .	3

**Typhoid Fever—**

Whole number Widal Test . . . . .	5
Whole number positive . . . . .	1
Whole number negative . . . . .	4

Respectfully submitted,

A. H. MANDELL, M. D.,  
*Bacteriologist.*

**PLUMBING INSPECTORS' REPORTS.**

NEW BEDFORD, Jan. 1, 1915.

*To the Board of Health:*

GENTLEMEN:—Following is the work performed by me for the year ending Dec. 31, 1914:

Inspections, including investigations of nuisances and defective plumbing . . . . .	2,001
Inspections in Marion . . . . .	13

Respectfully submitted,

LOUIS H. RICHARDSON,  
*Inspector of Plumbing.*

NEW BEDFORD, Jan. 1, 1915.

*To the Board of Health:*

GENTLEMEN:—I herewith submit the following report for the year ending Dec. 31, 1914:

Inspections of plumbing . . . . .	1,984
Inspections in Marion . . . . .	17

Respectfully submitted,

WILLIAM DEACON,  
*Inspector of Plumbing.*

**NEW BEDFORD EXTRACTOR COMPANY'S REPORT.**

NEW BEDFORD, Jan. 1, 1915.

*To the Board of Health:*

**GENTLEMEN:**—We herewith submit our report for the year ending Dec. 31, 1914:

Garbage collected (tons) . . . . .	9,702
Animals received—	
Horses . . . . .	328
Cows . . . . .	7
Dogs . . . . .	387
Pigs . . . . .	11
Calves . . . . .	1
Deer . . . . .	2
Colts . . . . .	1
Goats . . . . .	1
Sheep . . . . .	0
Mules . . . . .	0
Total. . . . .	738

40 tons oyster, clam and quahog shells received.

60 tons scallop shells received.

**NEW BEDFORD EXTRACTOR CO.,**  
**WM. R. GEDDIS, Supt.**



## MORTUARY REPORT FOR THE YEAR 1914.

CAUSE OF DEATH		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
<b>I. GENERAL DISEASES.</b>														
1	Typhoid fever .....	.	.	.	.	2	.	3	.	1	2	2	1	11
6	Measles .....	.	.	.	.	1	.	.	.	.	.	.	1	2
7	Scarlet fever .....	4	9	1	1	.	2	2	.	1	2	3	1	26
8	Whooping cough .....	.	.	1	1	.	.	.	.	.	1	.	1	4
9	Diphtheria and croup .....	3	5	1	2	.	1	2	1	3	1	3	2	24
10	Influenza .....	1	.	.	1	.	.	.	.	.	.	.	.	2
18	Erysipelas .....	.	.	1	.	1	1	.	.	1	.	.	1	5
20	Purulent infection and septicaemia .....	2	1	1	2	2	.	.	2	1	2	.	2	15
24	Tetanus .....	.	.	.	.	.	.	.	.	.	.	.	1	1
28	Tuberculosis of the lungs .....	10	17	11	17	16	11	8	10	15	9	9	10	143
29	Acute miliary tuberculosis .....	2	.	.	.	.	.	.	.	.	.	.	.	2
30	Tuberculosis meningitis .....	3	1	2	2	3	4	3	2	1	1	.	.	22
31	Abdominal tuberculosis .....	.	.	.	.	1	1	.	2	.	.	.	1	5
32	Pott's disease .....	.	.	.	.	.	.	.	.	.	1	.	.	1
34	Tuberculosis of other organs .....	1	1	1	.	.	1	.	.	1	.	.	.	5
36	Rickets .....	.	.	.	1	.	.	.	.	.	.	.	.	1
37	Syphilis .....	1	1	.	2	.	.	.	.	.	.	1	1	6
39	Cancer and other malignant tumors of the buccal cavity .....	.	.	.	.	.	1	.	1	.	1	.	1	4
40	Cancer and other malignant tumors of the stomach and liver .....	2	2	4	3	1	3	2	4	1	2	3	1	28
41	Cancer and other malignant tumors of the peritoneum, intestines and rectum .....	1	1	1	2	2	2	1	.	1	2	5	5	23
42	Cancer and other malignant tumors of the female genitals .....	3	2	3	.	.	1	1	1	.	.	1	.	12
43	Cancer and other malignant tumors of the breast .....	1	.	.	.	.	1	2	1	.	1	1	2	9
44	Cancer and other malignant tumors of the skin .....	.	.	.	.	1	.	.	.	.	.	.	.	1
45	Cancer and other malignant tumors of other organs and organs not specified .....	1	.	.	1	.	.	.	.	2	2	1	1	8
46	Other tumors (tumors of the female genitals excepted) .....	.	.	2	.	.	.	.	.	.	.	1	.	3
48	Chronic, rheumatism and gout .....	.	.	.	.	1	.	.	.	.	.	.	.	1
50	Diabetes .....	1	1	2	2	.	.	3	.	1	3	1	1	15
53	Leuchaemia .....	.	.	.	.	.	.	2	.	.	.	.	.	2
54	Anaemia, chlorosis .....	2	1	.	2	.	.	.	.	.	2	1	1	9
56	Alcoholism, acute or chronic .....	.	2	1	.	1	1	1	2	.	.	.	1	9
57	Chronic lead poisoning .....	.	.	.	.	.	.	.	.	.	1	.	.	1
59	Other chronic poisonings .....	1	.	1	.	.	.	.	.	.	.	.	.	2
<b>II. DISEASES OF THE NERVOUS SYSTEM AND OF THE ORGANS OF SPECIAL SENSE.</b>														
60	Encephalitis .....	.	.	.	.	.	.	1	.	.	.	.	.	1
61	Simple meningitis .....	1	1	1	4	1	.	2	.	2	1	1	1	15

## MORTUARY REPORT, 1914. (Continued).

CAUSE OF DEATH		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
<b>II.</b>	(Continued).													
61a	Meningitis, including cerebro-spinal fever.....				1	2			1					4
62	Locomotor ataxia.....					1								1
63	Other diseases of the spinal cord..									1				1
64	Cerebral hemorrhage, apoplexy...	7	9	6	5	7	9	5	8	7	7	7	4	81
66	Paralysis without specified cause..									1	1	2		4
67	General paralysis of the insane...						1						1	2
69	Epilepsy.....									1				1
70	Convulsions (non-puerperal).....						1							1
71	Convulsions of infants.....				1	1	1							3
74	Other diseases of the nervous system.....			1	2	1	1							5
76	Diseases of the ear.....		1			1				1				3
<b>III.</b>	<b>DISEASES OF THE CIRCULATORY SYSTEM.</b>													
77	Pericarditis.....					1					1	1		3
78	Acute endocarditis.....	1	4		3	3			1		4	1	1	18
79	Organic diseases of the heart.....	14	10	15	9	12	11	10	6	5	4	14	10	120
80	Angina pectoris.....			1	1						1		4	7
81	Affections of the arteries (atheroma aneurism, etc.).....	9	9	6	11	5	9	3	4	9	4	7	3	79
82	Embolism and thrombosis.....	2			2	1	1	2		1	1	1	1	12
85	Hemorrhage; other diseases of the circulatory system.....			1					1					2
<b>IV.</b>	<b>DISEASES OF THE RESPIRATORY SYSTEM.</b>													
87	Diseases of the larynx.....				1								1	2
89	Acute bronchitis.....	1	3	4	5	7	1				2	4	3	30
90	Chronic bronchitis.....	1		2						2				5
91	Broncho-pneumonia.....	17	26	23	19	18	3	5	3	3	10	16	12	155
92	Pneumonia.....	11	7	13	19	12	7			1	3	3	6	82
93	Pleurisy.....	1			1								1	3
94	Pulmonary congestion, pulmonary apoplexy.....	2		1	1	2		1				1		8
96	Asthma.....		1											1
98	Other diseases of the respiratory system (phthisis excepted).....					1								1
<b>V.</b>	<b>DISEASES OF THE DIGESTIVE SYSTEM.</b>													
99	Diseases of the mouth and annexa.....								1					1
100	Diseases of the pharynx.....	1												1
102	Ulcer of the stomach.....			1										1

## MORTUARY REPORT, 1914. (Continued).

CAUSE OF DEATH		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
<b>V.</b>	(Continued).													
103	Other diseases of the stomach (cancer excepted) .....	1	3	.	.	.	.	.	.	1	1	.	1	7
104	Diarrhoea and enteritis (under two years) .....	6	7	6	4	8	8	53	55	55	30	17	3	252
105	Diarrhoea and enteritis (two years and over) .....	.	1	.	.	.	2	1	3	.	.	.	.	7
108	Appendicitis and typhlitis .....	1	1	.	.	.	.	.	.	.	.	.	.	2
109	Hernias, intestinal obstructions .....	1	.	3	3	3	1	1	1	3	2	.	.	18
110	Diseases of the intestines .....	.	.	2	.	.	.	.	1	.	.	.	.	3
113	Cirrhosis of the liver .....	.	1	1	.	1	1	1	2	.	1	.	2	10
114	Biliary calculi .....	.	.	.	.	.	.	1	.	.	.	.	.	1
115	Other diseases of the liver .....	.	1	.	2	.	.	.	.	1	.	1	.	5
117	Simple peritonitis (non-puerperal) .....	.	2	.	1	1	3	3	4	1	1	.	.	16
118	Other diseases of the digestive system (cancer and tuberculosis excepted) .....	.	.	.	.	.	.	2	.	.	.	.	1	3
<b>VI.</b>	<b>NON-VENEREAL DISEASES OF THE GENITO-URINARY SYSTEM AND ANNEXA.</b>													
119	Acute nephritis .....	1	3	5	.	1	2	.	2	4	.	3	2	23
120	Bright's disease .....	2	1	5	.	1	2	1	2	4	1	6	8	33
121	Chyluria .....	1	.	.	.	.	.	.	.	.	.	.	.	1
122	Other diseases of the kidneys and annexa .....	4	3	1	2	1	3	3	.	.	.	1	1	19
124	Diseases of the bladder .....	.	1	.	.	.	.	.	1	.	1	.	1	4
126	Diseases of the prostate .....	1	.	.	.	.	.	.	.	.	.	.	.	1
128	Uterine hemorrhage (nonpuerperal) .....	.	.	.	.	.	.	.	1	.	.	.	.	1
129	Uterine tumors (noncancerous) .....	.	.	.	.	.	.	.	.	1	.	.	.	1
130	Other diseases of the uterus .....	1	.	.	.	.	.	1	.	.	.	.	.	2
131	Cysts and other tumors of the ovary .....	.	.	.	.	.	.	1	.	.	.	.	.	1
132	Salpingitis and other diseases of the female genital organs .....	1	.	.	.	.	.	.	.	.	.	.	.	1
<b>VII.</b>	<b>THE PUERPERAL STATE.</b>													
134	Accidents of pregnancy .....	.	.	.	.	.	.	.	1	.	.	.	.	1
135	Puerperal hemorrhage .....	1	.	.	2	.	.	.	.	1	.	2	.	6
138	Puerperal albuminuria and convulsions .....	1	.	.	1	1	.	.	.	.	.	.	.	3
<b>VIII.</b>	<b>DISEASES OF THE SKIN AND OF THE CELLULAR TISSUE.</b>													
142	Gangrene .....	.	.	1	1	.	.	1	.	1	.	.	.	4

## MORTUARY REPORT, 1914. (Continued).

CAUSE OF DEATH		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
<b>IX. DISEASES OF THE BONES AND OF THE ORGANS OF LOCOMOTION.</b>														
146	Diseases of the bones (tuberculosis excepted).....	.	.	.	.	.	.	.	1	.	.	.	.	1
<b>X. MALFORMATIONS.</b>														
150	Congenital malformations (stillbirths not included).....	.	.	.	2	.	.	1	.	.	.	1	2	6
<b>XI. DISEASES OF EARLY INFANCY.</b>														
151	Congenital icterus, debility and sclerema.....	7	8	7	7	8	12	4	8	7	8	5	10	91
152	Other diseases peculiar to early infancy.....	5	2	6	3	5	2	.	1	.	7	2	2	35
153	Lack of care.....	.	.	.	.	.	.	.	1	.	.	.	.	1
<b>XII. OLD AGE.</b>														
154	Senility .....	.	1	1	2	.	1	.	1	.	1	1	.	8
<b>XIII. AFFECTIONS PRODUCED BY EXTERNAL CAUSES.</b>														
155	Suicide by poison.....	.	1	.	.	.	.	.	.	.	.	.	.	1
156	Suicide by asphyxia.....	1	.	1	2	.	.	1	.	2	1	.	.	8
158	Suicide by drowning .....	1	.	.	.	.	.	.	.	.	.	.	.	1
159	Suicide by firearms .....	.	.	.	.	.	.	.	.	.	.	1	.	1
160	Suicide by cutting or piercing instruments.....	.	.	1	.	1	.	.	.	.	.	1	.	3
165	Other acute poisonings.....	1	.	.	.	.	.	.	.	.	.	2	.	3
167	Burns (conflagration excepted)....	.	1	1	1	.	3	1	.	.	4	.	.	11
168	Absorption of deleterious gases (conflagration excepted).....	.	1	2	4	.	2	1	.	.	.	.	6	16
169	Accidental drowning .....	.	3	1	1	.	1	2	1	.	3	.	1	13
170	Traumatism by firearms.....	.	.	.	.	.	.	.	.	.	1	.	1	2
172	Traumatism by fall .....	.	1	1	1	1	1	.	.	.	1	.	.	6
174	Traumatism by machines.....	.	.	.	.	.	.	.	.	.	.	1	.	1
175	Traumatism by other crushing (vehicles, railroads, landslides, etc.)	.	1	2	.	1	.	.	.	.	.	.	.	4
179	Effects of heat.....	.	.	.	.	.	.	1	.	1	.	.	.	2
183	Homicide by cutting or piercing instruments.....	1	.	1	.	.	.	.	.	.	.	1	.	3
185	Fractures (cause not specified)....	.	.	.	.	1	1	.	1	2	1	.	.	6

## MORTUARY REPORT, 1914. (Continued).

CAUSE OF DEATH		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
<b>XIV.</b>	<b>ILL-DEFINED DISEASES.</b>													
187	Ill-defined organic diseases .....	2	1	.	.	.	.	1	.	.	.	1	.	5
188	Sudden death.....	.	.	5	.	.	.	1	.	.	.	4	1	11
189	Cause of death not specified or ill-defined .....	4	1	1	2	2	1	6	5	2	.	2	.	26
		149	163	154	172	145	132	145	145	149	137	143	136	1730

Estimated Population, 110,000.

Death rate per 1000, 15.09.

Respectfully submitted,

SUSAN J. SMALL, Clerk.

## DEATHS BY AGES, 1914.

	Jan.		Feb.		Mar.		Apr.		May		June		July		Aug.		Sept.		Oct.		Nov.		Dec.		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Under 1 day. . . . .	4	2	1	1	4	3	3	1	3	3	2	3	1	1	4	2	2	4	3	2	4	2	30	25		
1-2 days . . . . .	2	1	2	. . . . .	2	2	1	. . . . .	1	. . . . .	4	. . . . .	2	. . . . .	2	. . . . .	1	1	1	3	1	1	16	8		
2-3 days . . . . .	1	1	1	. . . . .	. . . . .	2	2	. . . . .	2	. . . . .	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	. . . . .	1	1	1	1	7	3		
3 days-1 wk. . . . .	1	. . . . .	2	1	1	1	1	1	1	1	1	1	3	. . . . .	. . . . .	1	. . . . .	. . . . .	. . . . .	. . . . .	1	2	11	6		
1-2 wks. . . . .	. . . . .	3	2	. . . . .	. . . . .	1	. . . . .	. . . . .	2	. . . . .	. . . . .	1	1	1	1	1	2	1	. . . . .	. . . . .	1	. . . . .	7	9		
2-3 wks. . . . .	1	. . . . .	3	1	1	3	1	1	1	1	2	. . . . .	1	1	1	2	3	2	. . . . .	. . . . .	2	11	15			
3 wks.-1 mo. . . . .	1	. . . . .	. . . . .	1	. . . . .	1	. . . . .	1	. . . . .	1	. . . . .	1	1	3	. . . . .	2	2	2	. . . . .	. . . . .	1	10	5			
1-2 mos. . . . .	2	. . . . .	4	. . . . .	1	3	3	4	1	1	1	4	2	9	2	3	4	5	5	3	4	2	41	22		
2-3 mos. . . . .	2	3	1	1	. . . . .	2	3	. . . . .	2	2	2	5	4	6	2	6	2	5	4	4	1	5	39	23		
3-6 mos. . . . .	. . . . .	1	6	3	7	4	6	5	1	7	3	3	10	4	7	5	9	9	3	7	4	2	3	2	59	52
6-9 mos. . . . .	4	1	3	4	3	3	5	2	2	5	. . . . .	1	6	8	10	4	7	4	3	. . . . .	1	3	1	44	36	
9-12 mos. . . . .	2	1	1	1	1	2	3	6	3	3	3	1	5	1	5	2	1	3	1	5	2	2	1	29	26	
1 yr. . . . .	3	4	8	6	6	. . . . .	6	4	. . . . .	1	4	1	2	2	1	1	. . . . .	1	1	3	1	3	1	37	21	
2 yrs. . . . .	1	. . . . .	2	1	4	2	3	1	2	3	. . . . .	2	1	4	4	3	2	3	1	6	. . . . .	4	2	1	22	30
3 yrs. . . . .	2	. . . . .	3	2	1	. . . . .	2	. . . . .	1	1	1	. . . . .	2	1	1	. . . . .	. . . . .	1	2	5	. . . . .	1	18	9		
4 yrs. . . . .	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	1	1	1	. . . . .	1	2	. . . . .	. . . . .	1	2	2	1	. . . . .	1	2	8	8		
5-9 yrs. . . . .	. . . . .	2	5	. . . . .	1	1	1	3	2	1	. . . . .	2	2	1	1	3	2	. . . . .	6	4	1	2	1	19	22	
10-14 yrs. . . . .	. . . . .	2	1	. . . . .	2	. . . . .	1	1	1	3	1	. . . . .	1	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	3	1	10	9		
15-19 yrs. . . . .	2	1	1	. . . . .	2	3	2	2	1	2	1	. . . . .	2	2	2	2	1	1	. . . . .	. . . . .	4	2	. . . . .	16	17	
20-24 yrs. . . . .	2	6	5	5	3	3	4	3	1	4	2	. . . . .	3	2	1	2	2	4	2	4	. . . . .	1	2	1	27	35
25-29 yrs. . . . .	. . . . .	4	5	. . . . .	2	5	2	3	4	2	2	2	3	3	1	3	5	6	3	1	1	5	1	3	29	37
30-34 yrs. . . . .	. . . . .	4	2	. . . . .	4	2	5	3	4	1	2	1	6	4	3	3	2	1	. . . . .	2	3	4	1	32	25	
35-39 yrs. . . . .	4	2	5	1	2	1	4	6	3	2	5	7	. . . . .	3	1	2	4	2	1	2	2	2	2	33	32	
40-44 yrs. . . . .	5	6	2	. . . . .	7	1	2	5	1	5	3	2	. . . . .	4	3	2	1	2	3	2	2	7	5	37	33	
45-49 yrs. . . . .	2	3	6	4	6	4	4	3	1	4	. . . . .	4	1	. . . . .	2	4	1	. . . . .	5	1	7	2	4	31	38	
50-54 yrs. . . . .	7	2	3	2	. . . . .	2	5	4	2	3	3	2	3	5	1	1	2	2	2	2	4	5	5	1	37	31
55-59 yrs. . . . .	3	1	5	2	6	6	6	5	2	3	4	3	1	6	. . . . .	2	2	3	1	3	4	4	2	1	36	39
60-64 yrs. . . . .	3	3	9	2	6	3	6	3	6	2	2	5	1	2	4	3	1	4	6	4	4	4	3	2	51	37
65-69 yrs. . . . .	6	8	10	2	4	3	5	5	6	5	4	3	4	2	7	1	1	5	3	2	5	6	5	1	60	43
70-74 yrs. . . . .	5	4	3	5	1	4	5	6	5	3	3	2	4	1	1	5	3	1	4	1	1	6	3	5	38	43
75-79 yrs. . . . .	1	3	2	2	3	6	1	4	2	4	4	2	4	2	3	2	5	6	. . . . .	2	8	1	5	28	48	
80-84 yrs. . . . .	5	3	6	1	. . . . .	4	1	. . . . .	3	. . . . .	4	. . . . .	3	2	. . . . .	3	2	1	2	. . . . .	6	2	2	20	30	
85-89 yrs. . . . .	4	2	. . . . .	2	1	1	2	2	1	1	2	3	. . . . .	1	. . . . .	. . . . .	2	1	. . . . .	. . . . .	1	1	. . . . .	13	14	
90-94 yrs. . . . .	. . . . .	1	2	. . . . .	1	2	. . . . .	1	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	2	. . . . .	. . . . .	1	. . . . .	. . . . .	1	4	8	
95-99 yrs. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	
100 + yrs. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1
Unknown. . . . .	. . . . .	1	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1
Whole No. . . . .	76	73	108	55	79	75	94	78	66	79	63	59	74	71	82	63	70	79	66	71	58	85	74	52	910	840
Total deaths . . . . .	149	163	154	172	145	122	145	145	149	137	143	126	1750													
Total stillbirths . . . . .	5	8	5	2	9	3	9	7	9	1	3	7	6	6	8	6	6	7	7	1	6	7	6	4	79	59
Total deaths colored . . . . .	4	2	. . . . .	2	. . . . .	9	4	. . . . .	4	. . . . .	8	. . . . .	8	. . . . .	8	. . . . .	8	. . . . .	9	4	. . . . .	8	. . . . .	70	. . . . .	

Respectfully submitted,

S. J. SMALL, Clerk.

## INFANT MORTALITY.

YEAR 1914	AGES												
	Total Deaths under 1 year	Under 1 day	1-2 days	2-3 days	3 days-1 week	1-2 weeks	2-3 weeks	3 weeks-1 month	1-2 months	2-3 months	3-6 months	6-9 months	9-12 months
January .....	33	6	3	2	1	3	1	1	2	5	1	5	3
February .....	39	2	2	1	3	2	4	1	4	2	9	7	2
March .....	40	7	.	.	2	.	4	1	4	2	11	6	3
April .....	45	4	4	.	2	1	1	.	3	3	11	7	9
May .....	43	6	1	2	1	2	2	1	5	2	8	7	6
June .....	29	5	1	2	1	.	3	.	2	4	6	1	4
July .....	59	1	4	.	3	1	.	1	6	9	14	14	6
August .....	64	5	.	.	.	2	2	3	11	8	12	14	7
September .....	66	4	2	1	1	3	5	2	7	8	18	11	4
October .....	51	7	1	.	.	1	2	2	10	9	10	3	6
November .....	33	2	4	1	.	.	.	2	7	5	6	4	2
December .....	32	6	2	1	3	1	2	1	2	5	5	1	3
Male .....	304	30	16	7	11	7	11	10	41	39	59	44	29
Female .....	230	25	8	3	6	9	15	5	22	23	52	36	26
White .....	494	.	.	.	.	.	.	.	.	.	.	.	.
Colored .....	40	.	.	.	.	.	.	.	.	.	.	.	.

Respectfully submitted,

S. J. SMALL, Clerk.

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**CITY OF NEW BEDFORD.**

**IN BOARD OF ALDERMEN,  
Jan. 28, 1915.**

**Received, placed on file, ordered printed in the City Documents, and sent down for concurrence.**

**W. H. B. REMINGTON, *City Clerk,***

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**IN COMMON COUNCIL,  
Jan. 28, 1915.**

**Concurred.**

**CHARLES P. SAWYER, *Clerk.***

**ANNUAL REPORT**

**OF THE**

**Inspector of Animals**

**From January 1st to March 31st**

**1914**



**NEW BEDFORD, MASS.**  
**THE A. E. COFFIN PRESS, PRINTERS.**  
**1915.**



January 1st, 1915.

*To the Mayor and the Board of Aldermen:*

My report as Inspector of Animals for the City of New Bedford from January 1st, 1914 to the end of my term March 31st, 1914 is herewith submitted. The regular inspection of all neat cattle, sheep and swine was made by order of the Commissioner of Animal Industry during January and February and a detailed report of same sent to him. There were at that time 440 milch cows, 167 dry cows and young cattle, 135 pigs and a very small number of sheep and goats within the city limits. With very few exceptions these animals were comfortably housed and in good health. During the three months I condemned and had destroyed 4 glandered horses and 4 tuberculous cows.

When making my inspection I found hog cholera prevalent at the City Farm. There were 21 full grown pigs and 48 small pigs when the disease broke out;—when it was finally cleaned up only 12 large pigs were left, all the small ones having died. As soon as I discovered the disease a report was made to the Commissioner of Animal Industry and he sent Dr. J. B. Paige of Amherst to look over the situation and handle it as he thought proper. The disease had existed so long before he got here and so many had already died that he concluded treatment would avail nothing, so decided to have the well pigs kept away from the infected pens and when the disease finally died out to tear down the old pens and rebuild in another location which plan was carried out.

No other contagious disease was reported among the domestic animals during the above time.

H. B. HAMILTON,  
Inspector of Animals.



**Annual Report**  
**OF THE**  
**Inspector of Wires**  
**OF THE**  
**CITY OF NEW BEDFORD**  
**MASS.**

**For the Year 1914**



**NEW BEDFORD, MASS.**  
**THE A. E. COFFIN PRESS, PRINTERS**  
**1915**



# ANNUAL REPORT.

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*To His Honor the Mayor and City Council.*

SIRS:—

I respectfully submit my annual report of this department from Nov. 30, 1913, to Dec. 5, 1914.

Electrical work installed in city buildings:—

Intercepting Sewer, Screen House, West French Avenue. Electric contract on this building not yet completed. Wires and fixtures yet to be installed.

Pumping Station, Intercepting Sewer, Howland and First Streets, electric contract on this job not yet completed. Wires and fixtures yet to be installed.

## INSPECTION OF INSIDE WIRING.

During the year have inspected 2,025 installations, making 5,962 inspections.

Have issued to the New Bedford Gas & Edison Light Co., 1,747 permits to connect electric service; issued to contractors 436 certificates to cover rough work.

Sent out to contractors and property owners 1,726 reports on defective wiring.

## OUTSIDE WORK.

In January, after two hearings given by the Board of Aldermen, it was voted by the City Council to ask the State Legislature to pass a bill giving the Mayor and Board of Aldermen the authority to order overhead wires to be placed underground. On April 9, 1914, the following bill was passed:



THE COMMONWEALTH OF MASSACHUSETTS.  
IN THE YEAR ONE THOUSAND NINE HUNDRED AND  
FOURTEEN.

**An Act Relative to the Removal of Overhead Wires and  
Construction in the City of New Bedford.**

Be it enacted by the Senate and House of Representatives  
in General Court assembled, and by the authority of  
same, as follows:—

Section 1. The Board of Aldermen of the City of New Bedford, with the approval of the Mayor, shall have exclusive authority to cause to be removed from above the surface of the streets designated in section two hereof all telegraph, telephone, electric light, electric motor and power and all other wires, cables or conductors, in and above said streets, and all poles and structures in said streets used for the support of same, except such structures, poles, wires, cables and conductors, as are hereinafter excepted, and to cause all such wires, cables and conductors to be placed, maintained and operated in underground conduits.

Section 2. The provisions of this act shall apply to all public ways and places within the area bounded by a line drawn through David Street, from Acushnet River to Clark's Cove, thence by the shore of Clark's Cove to Rockdale Avenue, to Dartmouth Street, to Oak Street, to Grape Street, to Page Street, to Hawthorn Street, to Ash Street, to Kempton Street, to Cedar Street, to Durfee Street, to Summer Street, to Sawyer Street, to Purchase Street, to Dean Street, to Quanset Street, to Coffin Avenue, to Church Street, to Nash Road, to Acushnet Avenue, to Hadley Street, to Acushnet River and thence to the place of beginning; also in the following ways or parts of ways, to wit:—Hawthorn Street, from Ash Street to Rockdale Avenue; Union Street, from Ash Street to Rockdale Avenue; Kempton Street, from Ash Street to Dartmouth Line; Acushnet Avenue, from Hadley Street to Tarklin Hill Road; Arnold Street, from Ash Street to Rockdale Avenue.

Section 3. The Inspector of Wires, City Engineer, and Superintendent of Streets shall annually, in the month of January, present to the Mayor and Board of Aldermen, a list of public ways and places specified in Section 2, or parts thereof, from which, in their judgment, the overhead wires and construction should be removed in accordance with the provisions of this act.

Section 4. On or before the first day of April in any year after a hearing, notice of which is given by publication in at least two daily newspapers published in the city of New Bedford, the first publication to be at least seven days prior to the date of hearing, which notice shall specify the part or parts of the public ways and places from which it is intended then to order the removal of all such overhead wires and construction, the Board of Aldermen, with the approval of the Mayor, shall designate by order the part or parts of such ways and places from which all such overhead wires and construction, other than those excepted in this act, shall be removed or placed underground within that calendar year; but the extent of the ways and places so prescribed in any calendar year shall not exceed one mile according to lineal measurement, and the Automatic Telephone Co. of New Bedford shall not be required under this act to do work involving an expenditure of more than \$5,000 in any one year, and no person, firm or corporation shall not be required under this act to do work involving an expenditure of more than \$30,000 in any one year. Any expenditure for work ordered and done under the provisions of this act by any person, firm or corporation in excess of the limitation above specified shall be reckoned as a part of the expenditures to be required under this act in the following year or years and credited accordingly to the person, firm or corporation making such expenditure. In complying with any order under this section no owner or user of such overhead wires and construction shall be required to remove the same or to build underground conduits to contain the wires unless such conduits as ordered will be directly connected with other similar conduits of such owner or user. The Board of Aldermen, with the approval of the Mayor, shall cause the owners and users of such overhead wires and construction to remove or place them underground, and also to remove any poles and structures used to support such overhead wires or construction in the public ways and places, or parts thereof, in any prescribed part of the said district, except when, in the judgment of the Board of Aldermen and of the Mayor, it is impracticable or inexpedient to remove any such overhead wires or construction; it being, nevertheless, the purpose of this act to cause the removal annually from some specified mile of the above named public ways and places of all such overhead wires and construction and all poles or structures used for the support thereof not herein expressly excepted, so far as, in the judgment of the Mayor and Board

of Aldermen, such removal is practicable and expedient; and every owner and user of such overhead wires and construction shall, in accordance with the direction of the Board of Aldermen, with the approval of the Mayor, within said calendar year, remove or place the same underground in accordance with the provisions of this act; and it shall be the duty of the Inspector of Wires to enforce compliance with the orders and directions of the Board of Aldermen made with the approval of the Mayor under this act.

Section 5. After parts of said public ways and places shall have been prescribed as aforesaid, no person, firm or corporation shall place any poles or other structures for the support of overhead wires and construction, except those herein expressly excepted in any public way or place thereof, thus prescribed, except temporarily, and with the consent of the Inspector of Wires; and if after the expiration of the time specified, in the order of removal, there shall remain in any such public ways and places any poles or overhead wires and construction which under the provisions of this act should have been removed or placed underground, the Inspector of Wires shall cause the same to be removed forthwith, and the City may collect the expense of such removal from the owners or users by an action at law, provided there was no unreasonable delay in the issuance of the necessary grants and permits by the proper authorities.

Section 6. Upon any application of any person, firm or corporation duly authorized by law, to lay, erect or maintain, and maintaining overhead wires or construction in the public ways or places of the city, the Board of Aldermen, with the approval of the Mayor, may grant permission, after public notice and hearing, such notice to be given publication in at least two daily newspapers published in the City of New Bedford, the first publication to be at least seven days prior to the date of hearing, for the removal of any such overhead wires and construction within any of the public ways and places named in section two and not prescribed in any year, or within public ways and places of said city outside those specified in Section Two, and for the placing of the same and other overhead wires and construction, and any extensions thereof underground as herein provided. The Board of Aldermen, with the approval of the Mayor, shall also, after public notice and hearing as required by law, grant locations for such additional poles and wires for local distribution from underground

conduits, manholes and connections as may become reasonably necessary by reason of work done under the provisions of this act, specifying where such poles may be located and the kind of poles to be used. And the Board of Aldermen, with the approval of the Mayor, may delegate to the Inspector of Wires such authority in relation to the granting of such locations as the board from time to time determine.

Section 7. After the passage of an order by the Board of Aldermen, with the approval of the Mayor, as provided in Section Four, requiring the removal or placing underground of all such overhead wires and construction in public ways and places prescribed in said order, it shall be obligatory upon such person, firm or corporation, before any opening shall be made in any such public way or place under such authority, to file with the City Clerk and with the Inspector of Wires, a map or maps made to scale showing the public ways and places which are desired or required to be used for said purposes, and giving the location, dimensions and course of the underground conduits, manholes or connections desired or required to be constructed, which map or maps shall be satisfactory to and approved in writing by the City Engineer, and the Inspector of Wires before they are filed, and shall also be subject to the approval of the Board of Aldermen and of the Mayor; and it shall be the duty of the City Clerk, and he shall have authority, after such approval and filing, to issue upon application by any person, firm or corporation interested, all permits for opening and occupying the public ways and places of said city which may be necessary to carry out the intent of this act.

Section 8. The Inspector of Wires, in case of the refusal or neglect of any person, firm or corporation to comply with any requirement made by the Board of Aldermen, with the approval of the Mayor, under the authority of this act, may proceed in a summary manner to abate, prevent or remove any danger or injury which he deems likely to result from the failure to comply with any such requirement. The Inspector of Wires, subject to the orders of the Board of Aldermen, with the approval of the Mayor, shall also have power in his discretion, either generally or in particular cases, to extend the time prescribed for carrying out any work prescribed in this act.

Section 9. This act shall not apply to overhead wires and construction for street railway users only, or to poles ex-

clusively for street lights or, except as aforesaid, to poles for local distribution from underground conduits, manholes or connections, or to long distance telephone wires; nor shall it revoke or effect any rights already granted to any person, firm or corporation to place or maintain underground any conduits, manholes or connections; but all such conduits, manholes or connections laid hereafter in pursuance of any such grant shall be laid subject to the provisions of this act so far as they are consistent with the terms of the grant. For the purpose of this act no wire shall be deemed a long distance wire which does not extend at least ten miles in a direct line from some central telephone office.

Section 10. The Board of Aldermen, with the approval of the Mayor, may make such orders not inconsistent with the provisions of this act as may be necessary or expedient to carry into effect the purpose thereof. No existing ordinance of the city inconsistent with the provisions of this act shall apply to the grants or permits to be made or issued, or to work to be done, or to the conduits, manholes or connections to be laid or constructed pursuant to the provisions of this act.

Section 11. The Board of Aldermen, with the approval of the Mayor, having first given the person, firm or corporation to whom the permit aforesaid is granted, opportunity to be heard, may order that the location of any underground conduit, manhole or connection, overhead wire or construction, or distributing pole shall be changed whenever it may deem such a change to be necessary in the public interest, and shall grant a substitute location therefor. Whenever the position of any underground conduit, manhole or connection, overhead wire or construction, or distributing pole is so ordered to be changed, the change shall be made by and at the expense of the owner, in conformity with the order, within such time as may be prescribed in the order of removal, and if not so changed, the Inspector of Wires may cause such change to be made, and the expense thereof may be recovered of the owners or users by an action at law in behalf of the city.

Section 12. On or before the first day of November, nineteen hundred and fourteen, the City Engineer shall make such plan or plans as he shall deem needful showing all electrical conduits, manholes, handholes, connections, poles, piers, or abutments in public ways and places of said city, the cost of same to be paid as follows:—One half by said city, the other half by the companies owning said conduits, manholes,

handholes, connections, poles, piers or abutments, their part to be determined by the City Engineer and to be paid within sixty days after the presentation of bill therefor.

Section 13. The superior court or any justice thereof, shall on petition of the Board of Aldermen, with the approval of the Mayor, or of the Inspector of Wires, have jurisdiction in equity to enforce the provisions of this act or of any order of the Board of Aldermen, with the approval of the Mayor, issued under authority hereof, and to compel compliance therewith.

Section 14. This act shall take effect upon its passage.

---

During the year I have investigated and reported to the Mayor and Board of Aldermen on 414 petitions of wire using companies involving 1,675 poles, 9,765 feet of conduit and 68 manholes.

Petitions of the Automatic Telephone Co. asked for 140 feet of conduit and 1 manhole.

Petitions of the New Bedford Gas & Edison Light Co. asked for 5,160 feet of conduit and 46 manholes.

Petitions of the Southern Mass. Telephone Co. asked for 1,080 feet of conduit and 7 manholes.

Petitions of the Union Street Railway Co. asked for 3,385 feet of conduit and 14 manholes.

Summary of poles as follows:—

New locations,	514 poles
Joint locations,	354 poles
Attachment of wires of one company to poles owned by another company,	807 poles
	<u>1,675 poles</u>

Of the 354 joint locations there were already installed 337, therefore making 17 new additional poles.

There were 531 new poles set in the streets during the year.

## POLICE SIGNAL SYSTEM.

On November 21, 1914, the following ordinance was passed:—

## CITY OF NEW BEDFORD.

IN THE YEAR ONE THOUSAND NINE HUNDRED AND FOURTEEN.

## AN ORDINANCE.

**Amending an Ordinance Relating to the Inspector of Wires.**

Be it ordained by the City Council of the City of New Bedford as follows:—

Section 1. Section 3 of an ordinance relative to the Inspector of Wires as passed April 11, 1912, is hereby amended by inserting in the first line thereof after the word "for" the words "or any work done in connection with any electrical material or" and by striking out in the third line thereof the words "in any public building" so as to read as follows: Section 3. Before any bids are obtained for or work done in connection with any electrical material or the installation or alteration of any electrical work under the direction of the City Council, or any department or committee of the City Council for the City of New Bedford, the Inspector of Wires shall carefully examine the plans and specifications for the same, and shall certify, in writing, to the Superintendent of Public Buildings, department or committee, whether, in his judgment, said plans and specifications are sufficient and complete for their purpose.

Section 2. The Inspector of Wires shall have full charge and entire control of the Police Telegraph and Signal Systems.

Section 3. All ordinances or parts of ordinances inconsistent herewith are hereby repealed.

Section 4. This ordinance shall take effect upon its passage.

Passed to be ordained. In Board of Aldermen, Nov. 12, 1914.  
CHAS. S. ASHLEY, Mayor.

Passed to be ordained. In Common Council, Nov. 14, 1915.  
HENRY E. WOODWARD, President.

Presented to the Mayor for approval, Nov. 13, 1914.

Approved by the Mayor Nov. 21, 1914.

Respectfully submitted,

WILLIAM P. BRIGGS,  
Inspector of Wires.

**CITY OF NEW BEDFORD.**

**IN BOARD OF ALDERMEN,**

**February 11, 1915.**

**Received. Placed on file; ordered printed in the  
City Documents, and sent down for concurrence.**

**W. H. B. REMINGTON,**

**City Clerk.**

---

**IN COMMON COUNCIL,**

**February 11, 1915.**

**Concurred.**

**CHARLES P. SAWYER,**

**Clerk.**





**The Sixty-Third Annual Report**  
**OF THE**  
**TRUSTEES**  
**OF THE**  
**FREE PUBLIC LIBRARY**  
**OF THE**  
**CITY OF NEW BEDFORD, MASS.**  
  
**TO THE CITY COUNCIL**  
  
**FOR THE YEAR 1914.**



**NEW BEDFORD, MASS.**  
**THE A. E. COFFIN PRESS, PRINTERS,**  
**1915.**

# Officers of the Free Public Library

## FOR THE YEAR 1915.

### *Trustees.*

*Ex-Officio.* Terms expire January, 1916  
 EDWARD R. HATHAWAY,.....Mayor of the City.  
 JAMES F. COLLINS,.....President of the Common Council.  
 CLIFTON W. BARTLETT, Chairman of the Committee of the City  
 Council on Education.

### *Elected by the City Council.*

ALEX. McL. GOODSPEED,	Term expires April, 1915
FRANK A. MILLIKEN,	Term expires April, 1915
FRANCIS M. KENNEDY,	Term expires April, 1916
OTIS SEABURY COOK,	Term expires April, 1916
JIREH SWIFT, Jr.,	Term expires April, 1917
ABBOT P. SMITH,	Term expires April, 1917

*President of the Board.*  
 THE MAYOR.

*Clerk.*  
 ALEX. McL. GOODSPEED.

### *Committees.*

On Library.....MESSRS. KENNEDY, COOK, AND MILLIKEN.  
 On Finance...MESSRS. SWIFT, KENNEDY, AND GOODSPEED.  
 On the Building.....MESSRS. COOK, SMITH, AND MILLIKEN.  
 On Branch Reading Rooms.MESSRS. GOODSPEED AND SWIFT.

### *Librarian.*

GEORGE H. TRIPP.

*Chief Assistant and Supt. of Binding and Branches.*  
 CLEMENT L. YAEGER.

### *Cataloguer.*

ANNA M. DeWOLF.

### *Assistants.*

JOSEPHINE A. MERRICK,.....Accession and Genealogical Room.  
 EDITH H. COBB,.....Ingraham Hall.  
 ANNA W. CLEVELAND,.....Accession and Ingraham Hall.  
 GRACE D. SHERMAN,.....Delivery Desk.  
 EDITH H. BRODHEAD,.....Delivery Desk.  
 MARION BRIGGS,.....Accession and Delivery Desk.  
 L. GERTRUDE WILCOX,....Genealogical Room and Delivery Desk.  
 MARY A. CHASE,.....Reference Librarian.  
 JANE E. GARDNER,.....Art Librarian.  
 ELLEN F. DOLLARD,....Assistant Art Room and Children's Room.  
 JANE E. THUMAN,.....Children's Librarian.  
 ETHEL WILCOX,.....Assistant Children's Room.  
 MINERVA F. MAXFIELD, Librarian's Secretary and Stenographer.  
 ARTHUR J. ROGERS,.....Repairs and Periodicals.

### *Branches.*

North.....	ELSIE COLLINS, AMANDA DION.
South.....	JOHN WILKINSON.
West.....	MARY ELIZABETH BROWN.

### *Pages.*

JOHN R. GORDON,	ANTONIO BLANCHETTE,
JOHN HULTON,	HARPER WEST,

### *Janitors.*

DENNIS J. MAHONEY,	JOHN BURN,
GEORGE SUTHERLAND.	

## TRUSTEES' REPORT

---

*To the City Council of New Bedford:*

The trustees present their sixty third annual report to the City Council.

It seems unfortunate that the custom of writing a full and somewhat elaborate report by different members of the board, by which matters of interest in the conduct of the library have been brought to public attention has been discontinued, and in its place the clerk of the board is instructed to draw a perfunctory document, presenting the annual report of the librarian which, though always a valuable and interesting contribution to the library literature, is not an expression of the policy of the board. As this is very probably the last report of this kind the present clerk will have the opportunity of preparing, he takes this opportunity, as this matter has been left solely to his discretion, to suggest for the future a return to the former method for the information of the City Council.

An examination of former reports will show their value in directing the policy of the library.

The librarian's report herewith presented contains a detailed statement of library work.

The board again desires to express its appreciation of the librarian and his corps of assistants.

Respectfully submitted,

BOARD OF TRUSTEES.

ALEXANDER McL. GOODSPEED,  
*Clerk.*

## LIBRARIAN'S REPORT

*To the Board of Trustees of the Free Public Library.*

GENTLEMEN:—The excuse for an annual report is that it gives an opportunity to announce the activities of the year, to give certain statistical information, and to call attention to opportunities, which may have been neglected, to benefit by the resources of a well equipped institution whose purpose is to facilitate research, to assist literary workers, to act as a community information department, and to circulate books.

No startling innovations are recorded in the average library report. All libraries which can afford the expenditure pursue methods very similar. The interchange of ideas through library journals, library conventions, and the more or less informal intercourse of library workers, results in a like treatment of methods to be used in making the library of value to the community.

### RESOURCES AND ADDITIONS.

Our library contains 150,000 bound books with many thousands of pamphlets, unbound, but thoroughly accessible. The books by actual count are classified as follows:

General works, including bibliographies, encyclopedias, periodicals not otherwise listed, etc., .....	5700
Books on philosophy and ethics, .....	1500
Religion, .....	6000
Social economy .....	9400
Languages and philology, .....	1800
Science, .....	5500
Applied science, .....	6500
Fine arts, .....	3300

Music, the drama, sports,.....	2800
Literature,.....	12200
History,.....	10600
Travel,.....	8100
Biography,.....	8600
Genealogy,.....	2100
English fiction,.....	25000
Foreign fiction,.....	2800
Government documents,.....	8000
State documents,.....	1900
City documents,.....	1600
Juvenile fiction,.....	8600
Juvenile non-fiction,.....	2900
School libraries.....	11800
Poole magazines.....	9400
Log books,.....	200

It will be seen that in history, travel, biography, and social science the collections are large. The collection of genealogies is of great value and proves of deep interest to those who are tracing their family records. Being one of the larger collections in this section of the country, inquiries are constantly coming from other states for material which can only be obtained from our books and manuscripts. A valuable addition to this collection has been made within the last two years, by the typewritten copies of New Bedford marriages and deaths, which are being copied from the first issue of the local papers up to 1874. Scrap books filled with local material and well indexed are in use in this room; printed obituaries of New Bedford people, photographs of notable citizens, with over 600 pictures of New Bedford and surrounding towns, are also indexed and available at all times. In this room the genealogical notes of the Boston Transcript have been cut out, pasted, and classified in scrap books as a part of the regular work of that department.

In the art department are many thousands of pictures, most of which are available for circulation.

Besides art subjects there is a great deal of illustrative material for school use covering history, biography, literature, etc.

Material found in books and pictures bearing on the whaling industry is constantly being added.

The collection of books for the schools has increased to such an extent that now there are about 170 school rooms which are provided with sets of books belonging to the Library. The total number of books, as noted above, used by the schools is nearly 12,000.

A valuable collection of books was presented to the Library in a bequest from William L. Sayer. This group of books bearing on newspaper printing and publishing, and the law of libels has been catalogued, and is kept intact as a special collection. The printed catalogue covers about 400 items.

A unique gift to the Library, during the past year, was a Nautical Encyclopedia, a manuscript scrap book in four volumes which was prepared by the late Robert Weiss, a son of Rev. John Weiss, a former Unitarian clergyman of this city. The volumes were prepared with great care by Mr. Weiss, and cover pictures and notes of thousands of sailing craft of every known description, and represent an immense amount of painstaking detail in arranging the items.

The magazine list covers 300 periodicals which are regularly subscribed for, about two-thirds of these are bound, and back numbers are always available for circulation.

The building which has now been occupied four years is constantly proving its worth, and it is sufficient comment on its adaptability to say that after the test of service the library officials agree that if the building were to be built over, very few changes would be suggested. The only rooms which seem at all inadequate

for the purpose for which they were designed are the Reference Room and the Lecture Room, which are both rather unequal to the demands that are made upon them, but it would have been difficult in the original planning of the building to have made those rooms larger than they are. At some time, a part of the work of the Magazine and Reference Room may have to be carried over into Ingraham Hall.

There are three branches conducted by the Library. The opportunities for service at the North Branch have been very greatly improved during the year by the appointment of an additional assistant, especially with the idea of looking after the French-speaking residents in that section. The circulation of books has doubled, and the interest has been correspondingly great.

Among the notable gifts of the past year a plaster bust of Sylvia Ann Howland was generously presented to the library by members of the Paint and Clay Club. It is the work of Charles E. Alden of this city. It has been placed on a proper pedestal in the Trustees' Room.

A framed portrait of the band of the steamship Titanic was presented by the Musicians' Protective Union, Local 214, and has been temporarily placed in the Art Room.

### ACTIVITIES.

There have been eight staff meetings during the year where matters pertaining to the conduct of each department of the Library have been thoroughly discussed, and subjects of broader interest have also been considered. The meetings have proved to be profitable, and have tended to broaden the outlook of the staff.



In the autumn a class for the elementary training of substitutes was started, which proved to be of a good deal of interest, and we trust of permanent benefit. There were nine members including two or three of the permanent assistants of the Library, who met twice a week and studied the various departments of library work covering all phases of activities. These classes were conducted by the Librarian, aided by the assistants in the various rooms. Frequent tests and drills were held covering the ground which has been treated. The members of the class took up the work with enthusiasm and appreciation, and it is to be hoped that the results will more than justify the effort.

The customary picture exhibitions, through our membership in the American Federation of Arts, were carried on as usual; in January the Loan Collection of paintings from the Philadelphia Water Color Club; in March, an exhibition of the work of American Illustrators, and a Collection of American Etchings; in November, an Exhibition of Photographs of Famous American Paintings; and in December, an Exhibition of Paintings.

The lectures, provided by the Sylvia Ann Howland Fund, were of popular interest, and were attended by very large audiences. During the lecture season of 1913-1914, the twenty-three lectures were attended by audiences averaging fully 700 or 800 people. In planning the course for the season of 1914-15, the Committee on the Library decided to limit the range of subjects to those bearing on strictly literary or historical subjects, so with one or two exceptions the lectures of the current course have followed that plan.

In the distribution of books and library material, the Library is not restricted to the main building and its branches, but in all there are 197 distributing agencies through which books are circulated, ranging from the

school collections, through Sunday schools, engine houses, workingmen's clubs, etc.

A catalogue of Yiddish books was printed this year in Hebrew characters, and circulated among the Hebrew residents.

The circulation of books in modern Greek has very much increased during the year, also Polish books are in great demand, and the Library has added very materially to the collection of books in those languages.

As an aid in answering requests for information, the Library has joined the Boston Co-operative Information Bureau, so questions that come to us that cannot be answered from our own resources are sent on to experts, who invariably assist in getting the information desired. It is a co-operative institution, and various libraries, and scientific and literary institutions which belong are able mutually to assist each other in getting and giving help. This library has been able to render assistance to various out-of-town libraries in supplying books and information.

It is becoming more and more the policy of the larger libraries to abolish geographical limitations in the service supplied. Thus not only are books freely loaned to out-of-town libraries and individuals, but corresponding exchanges are made, and mutual service is thus supplied. We have received valuable assistance from the Boston Public Library, and other libraries, on whom we have occasionally called for unusual books.

An interesting exhibition was held in the early fall by the Publishers' Co-operative Bureau. Over 1,000 books from 20 publishers were displayed in very tempting array, with attractive book posters, and autographs of authors, which made the exhibit of interest.

In the decoration of a beautiful hospital building in Boston, valuable suggestions were obtained from books loaned by our Library for the use of the donor and his architect.

Pictures have been loaned very widely; the increase of the use of illustrative material has been 123% over the preceding year. Not only have pictures been loaned to people of New Bedford, but they have been circulated among various cities and towns in Massachusetts and other states. During the year more than 2,000 have been arranged and mounted for use in the Art Room. Many of these pictures are circulated among the schools, and greatly supplement the work of the teachers.

Among the publications have been the various monthly bulletins, some of which have had special reading lists; one bearing on the present war crisis in Europe.

The readings for the blind have been continued as usual through the year, and a club of the members of the class has been formed called the Wednesday Afternoon Club. They greatly appreciate the services rendered by the Library and by the readers from the Woman's Club, who kindly volunteer their services every Wednesday through the year.

#### GENERAL NOTES.

Three members of the staff attended the meeting of the American Library Association in Washington. The Library gave them their time, they paying their own expenses. The reports of their visit to the Conference were rendered at a staff meeting later in the year.

During the year the rate of fines for overdue books was increased from one cent to two cents per day. This was done not for the purpose of increasing the revenue, but for decreasing the large number of overdue books. The change was adopted without demur on the part of the public, and I think the regulation has been a wise one. It conforms to the practice in most libraries.

Plans were secured last summer from the firm of Olmsted Brothers, landscape gardeners, looking to the improvement of the grounds about the building. An elaborate report was received from the firm, and the general principles suggested were approved by the Trustees, but owing to lack of funds, work upon the plans was deferred to another season.

The suggestion is here made that it might be well to remove the restriction which has allowed a card holder to take but one book of fiction at a time, and allow him, if he desires, to have out more than one novel, provided it is more than six months old. In that way the so called best sellers would still be as available as ever, but it would give an opportunity for readers of seasoned fiction to take out more than one book at a time, if they so desired.

In the deaths of Mr. William L. Sayer, a trustee of the Library for ten years, 1897-1896, and Rev. M. C. Julien, who was on the board for twenty-six years and chairman of the Library Committee at the time of his death, the Library has lost the services, and the Trustees and Librarian the companionship, of two gentlemen whose lives have left a marked impress upon the educational and literary activities of the city. Always interested and helpful in their suggestions and counsel, it is fitting that in this report the value of their unselfish devotion to duty should be gratefully recognized.

The daily papers have, as usual, been ever ready to print interesting information concerning the work of the Library, which is duly appreciated.

The present month, January 1915, brings to a close the publication of the unique journal, "The Whalemens' Shipping List", which has continued its valuable record of the whaling industry of the United States for seventy years. This Library contains a complete file of that journal.

It is a mistaken idea that the principal activities of a library are concerned with distributing fiction, for the facts prove the contrary. During the past year out of 5132 books added to the Adult department there was bought a total of 1634 books of fiction, including duplicates and replacements, leaving 3498, or more than double the number of volumes, which were non-fiction. Out of the total book expenditures for the Library of over \$7400, only \$1442 was spent for adult fiction, and about \$730 for juvenile, giving a total of a little over \$2000 spent for fiction, exclusive of what was sent to the schools, out of the total of \$7400.

In closing this report I gladly commend the zeal and devotion to their work shown by the Library staff. They have given hearty and efficient service, and have, without exception, been loyal to the interests of the city which they serve.

Respectfully submitted,

GEORGE H. TRIPP, *Librarian.*

## APPENDIX A.

## ADDITIONS BY CLASSES IN YEAR 1914.

NEW TITLES			
General Works,	14	History,	73
Ethics and Philosophy,	29	Fiction,	313
Religion,	53	French Fiction and Literature	110
Sociology,	134	German Fiction	7
Education,	43	Arabic Literature	4
Language,	23	Yiddish Fiction and Literature	36
Science,	36	Greek Literature (modern)	49
Useful Arts,	116	Norwegian Fiction	1
Fine Arts,	87	Polish Fiction and Literature	86
Music,	29	Books for Children,	163
Amusements and Sports,	25	Books for the Blind,	8
Literature,	118		
Description and Travel,	127		1798
Individual Biography,	70	Periodicals, Government	
Collective Biography and		Documents, etc.	514
Genealogy,	44		

## APPENDIX B.

## CIRCULATION.

Main Collection, Adult.	No. of Books.	Percent of Whole
Classification.		
Miscellaneous, and periodicals,	11,772	6.85
Philosophy,	1,259	.73
Religion,	1,144	.66
Sociology,	3,044	1.77
Language,	977	.56
Science,	1,927	1.12
Useful Arts,	4,787	2.78
Fine Arts,	4,885	2.84
English literature,	3,548	2.06
Foreign literature,	1,419	.82
Biography,	2,835	1.65
History,	2,721	1.58
Travel and description,	3,646	2.12
English fiction,	122,696	71.46
Foreign Fiction,	5,033	2.93
	171,693	

## Juvenile Room,

## Classification.

Fairy Tales,	7,758	14.67
Biography,	817	1.54
History,	2,353	4.45
Travel and description,	1,302	2.46
Fiction,	29,660	56.11
Miscellaneous, including Bible Stories, Literature, Science, Useful Arts, etc.	10,967	20.72

52,857

## Branches,

71,657

## Schools,

105,017

## Miscellaneous,

1,231

## Total circulation,

402,455

## Pictures loaned:

Art photographs,	852
Prints,	258
Prints (color)	38,852
Architecture,	269
Sculpture,	53
Stereographs	38,221
Miscellaneous,	10,312

88,817

## APPENDIX C.

## GENERAL STATISTICS FOR 1914

## Books Added.

Volumes purchased, Main Collection,	4,019	
Volumes purchased, Juvenile Room,	1,317	
Volumes purchased, School Collection,	1,177	
Volumes added by gift,	937	
		7,450

## Pamphlets Added.

Pamphlets purchased,	45	
Pamphlets added by gift	3,108	
		3,153

## Other Additions.

Photographs, prints, and process pictures, purchased,	176	
Photographs, etc., gifts, (including 275 post cards)	339	515
Postcards		1520
Atlas folios, maps, charts, blue print		163
Stereographs (anatomy)		250

Volumes worn out and withdrawn\*

Main Collection	688	
Juvenile Room,	670	
School Collection,	1319	2677

\*127 on account of being exposed to contagious diseases.

Volumes replaced:

Main Collection,	421	
Juvenile Room,	589	
School Collection,	1177	2187

Net addition to the Library in volumes, 6960

Volumes bound, including periodicals and books rebound:

Main Collection	2361	
Juvenile Room,	988	
School Collection,	2206	5555

Periodicals in Reading Room, 351

Newspapers in Reading Room, 52

New cards issued:

Adult—(Including Main Library 1800, through North Branch 383, South Branch 247, West Branch 288)	2718	
Juvenile — (Including Main Library 975, through North Branch 640, South Branch 314, West Branch 29)	1958	4676

Books drawn for home use, Central Library, Main Collection, Including, (Main Desk 77,517, Ingraham Hall 79,852, Reference Room 8376, Art Room 4,077, Genealogical Room 366, Ped. Room 133, through Branches 372) 171,693

Books circulated from Juvenile Room, 52,857

Books circulated from School Collection, 105,017

Books circulated directly from Branch Reading Rooms, 71,657

Books sent to Engine Houses, 701

Inter-Library loans 106

Other Agencies 424

Total circulation of books 402,455



## Pictures circulated from Art Room :

Art Photographs 852, Prints 258, Color Prints  
(including Phostints) 38,852, Architecture  
269, Sculpture 53, Stereographs 1317,  
Miscellaneous 7229, 48,830

## Pictures circulated from Juvenile Room:

Stereographs, in sets of 25 and 50, 36,904  
Pictures, 83 36,987

85,817

## Notices sent out for over due books:

Main Library—Postal cards 4,219; letters, 188 4,407  
Juvenile Room—Postal cards 724; letters, 44 768  
Branches— Postal cards 864; letters, 52 916

6,091

## BRANCH READING ROOMS IN DETAIL.

## NORTH.

Attendance, adult, 20,533; Sundays, 2,268 22,801  
Attendance, children 38,067; Sundays, 4,394 42,461

65,262

Books circulated,—adult 21754;

Juvenile 13,763; Central 153

35,670

Periodicals in Reading Room,

29

Newspapers in Reading Room,

19

## SOUTH.

Attendance, adult, 9,786; Sundays, 1,084 10,870  
Attendance, children, 25,033; Sundays, 3,817 28,850

39,720

Books circulated,—adult 10,085,

Juvenile 9,475; Central 137

19,697

Periodicals in Reading Room,

29

Newspapers in Reading Room,

16

## WEST.

Attendance, adult, 7,218; Sundays, 591 7,809  
Attendance, children, 10,876; Sundays, 1,681 12,557

20,366

Books circulated,—Adult 13,878

Juvenile 2,702; Central 82

16,662

Periodicals in Reading Room,

26

Newspapers in Reading Room,

9

## APPENDIX D.

## LECTURE AND STUDY ROOMS.

- Jan. 1 Lecture. A. K. Peck—"From the Azores to the Bay of Naples."
- Jan. 7 Executive Board of Woman's Club.
- Jan. 8 Astronomical Club.
- Jan. 12 Forestry Association.
- Jan. 12 New Bedford Medical Society. Dr. J. H. McAllister on Duhring's Disease.
- Jan. 14 Stamp Collectors.
- Jan. 15 Lecture. Ellen Huling—"Labrador Through a Woman's Eyes."
- Jan. 21 Executive Board of Woman's Club.
- Jan. 22 Lecture. Dr. Marshall Livingston Perrin—"Home Life in Norway."
- Jan. 26 New Bedford Medical Society. Dr. F. B. Mallory—"Recent Advances in Pathology."
- Jan. 29 Lecture. G. W. Tupper—"America, the Man-Maker."
- Feb. 4 Executive Board of Woman's Club.
- Feb. 5 Lecture. Prof. C. L. Maxcy—"Artemus Ward, the First Great American Humorist."
- Feb. 9 New Bedford Medical Society. Ex-Senator W. J. Bullock—"Legislation on Foods and Drugs."
- Feb. 11 Stamp Collector's Club.
- Feb. 12 Lecture. E. R. Lemon—"Story of the Wayside Inn by the Landlord."
- Feb. 12 Astronomical Club.
- Feb. 13 Committee of the Horticultural Society.
- Feb. 18 Lecture. B. R. Baumgardt—"An Evening with the Stars."
- Feb. 18 Lecture. A. L. Ripley, Vice-President of Merchants' National Bank, Boston—"Regional Banks."
- Feb. 18 Executive Board of Woman's Club.
- Feb. 20 Anti-Suffrage League. Miss Lucy J. Price.
- Feb. 23 New Bedford Medical Society. Dr. E. H. Place, resident physician South Department of Boston City Hospital,—"Scarlet Fever."
- Feb. 26 Lecture. Prof. A. B. Keep—"Colonial Times and Types."
- Mar. 2 Horticultural Society.
- Mar. 4 Executive Board of Woman's Club.
- Mar. 5 Lecture. Rev. H. D. Rose—"Parsifal and the Holy Grail."
- Mar. 5 Swain Art Club in Study Room.
- Mar. 9 New Bedford Medical Society. Dr. James S. Stone—"Some Aspects of the Surgery of Infants and Children."
- Mar. 11 Stamp Collectors' Club.
- Mar. 12 Astronomical Society.
- Mar. 12 Poultry Association.
- Mar. 12 Lecture. Mr. and Mrs. W. A. Borden—"Business of Being an Indian Prince."
- Mar. 18 Executive Board of Woman's Club.
- Mar. 19 Lecture. F. D. Baugher—"Cotton Plantations of the Mississippi Valley."

- Mar. 23 Technology Club. Robert Coggeshall on Japan.  
 Mar. 23 New Bedford Medical Society.  
 Mar. 30 Old Dartmouth Historical Society.  
 Mar. 30 Teachers' Association.  
 April 1 Executive Board of Woman's Club.  
 April 4 New Bedford Woman's Relief and Reform Association.  
 April 6 Horticultural Society.  
 April 8 Poultry Association.  
 April 8 Stamp Collector's Club.  
 April 9 Astronomical Club.  
 April 11 Lecture. H. L. Kitchell—"Glacier National Park."  
 April 13 New Bedford Medical Society. Dr. H. W. Wood—"Causes of Insanity."  
 April 15 Executive Board of Woman's Club.  
 April 22 Poultry Association.  
 April 22 Teachers' Association.  
 April 27 New Bedford Medical Society. Dr. J. M. Bonnar—"Deep X-Ray Therapy."  
 April 28 St. John's Ambulance Society.  
 April 29 Executive Board of Woman's Club.  
 May 4 Horticultural Society. "Methods and Times of Spraying."  
 May 11 New Bedford Medical Society. Dr. J. G. Hathaway—"Mucous Colitis."  
 May 13 Stamp Collector's Club.  
 May 13 Executive Board of Woman's Club.  
 May 14 Astronomical Club.  
 May 25 New Bedford Medical Society. Dr. D. P. O'Brien—"Post-Operative Results of Gall Bladder Surgery."  
 May 27 Executive Board of Woman's Club.  
 June 1 Horticultural Society. T. J. Gray of Boston—"A Trip to Minneapolis with the American Florists Last August."  
 June 4 Plumbers' Lecture.  
 June 5 Executive Board of Woman's Club.  
 June 8 Old Dartmouth Historical Society. Directors.  
 June 10 Stamp Collectors' Club.  
 June 11 Astronomical Club.  
 June 17 Peony Show.  
 June 19 Executive Board of Woman's Club.  
 June 24 Rose Show.  
 July 6 Horticultural Society.  
 July 20 New Bedford Medical Society.  
 August 3 Horticultural Society.  
 Sept. 9 Executive Board of Woman's Club.  
 Sept. 14 Teachers' Association.  
 Sept. 14 Horticultural Society.  
 Sept. 16 Teachers.  
 Sept. 18 Committee on work with the blind.  
 Sept. 23 and 24 Dahlia Show.  
 Oct. 5 Horticultural Society.  
 Oct. 7 Readings to Blind resumed.  
 Oct. 8 Lecture. Leon H. Vincent, Litt. D.—"Scottish Humor and Sentiment." J. M. Barrie.  
 Oct. 8 Teachers. Pedagogical Room.  
 Oct. 14 Executive Board of Woman's Club.  
 Oct. 14 Stamp Collectors' Club.

- Oct. 15 College Club.
- Oct. 15 Committee for the Blind.
- Oct. 21 Class from Industrial School. Lesson on use of Catalogue.  
Mr. Tripp.
- Oct. 22 Doctors' Committee Meeting.
- Oct. 23 Lecture. John Cooper Powys—"France, the Mistress of  
the Arts of Life."
- Oct. 26 New Bedford Medical Society; election of officers.
- Oct. 27 Charity Organization Society.
- Oct. 28 Teachers' Meeting. Pedagogical Room.
- Oct. 28 Class from High School. Lesson on use of Catalogue.  
Mr. Tripp.
- Oct. 29 Same.
- Nov. 1 Same.
- Nov. 2 Horticultural Society.
- Nov. 3 and 4 Chrysanthemum Show.
- Nov. 4 Executive Board of Woman's Club.
- Nov. 4 Woman's Suffrage. Annual Meeting.
- Nov. 10 Teachers' Meeting. Ped. Room.
- Nov. 12 Bristol County Medical Association.
- Nov. 12 Astronomical Society.
- Nov. 18 Southern Massachusetts Poultry Association. Prof. J. D.  
Lambert—"Practical Poultry Keeping."
- Nov. 18 Stamp Collectors.
- Nov. 19 Lecture. Prof. Lomax—"Cowboy Songs and Ballads."
- Nov. 20 Smith College Graduates.
- Nov. 25 Astronomical Society.
- Dec. 2 Teachers' Meeting. Ped. Room.
- Dec. 2 Executive Board of Woman's Club.
- Dec. 7 Horticultural Society.
- Dec. 10 Astronomical Society.
- Dec. 10 Lecture. Prof. B. R. Baumgardt—"Rome in the First  
Century: Pompeii."
- Dec. 11 National Association of Stationary Engineers.
- Dec. 11 C. O. S. Class in Social Work.
- Dec. 14 New Bedford Medical Society.
- Dec. 15 Teachers' Meeting. Ped. Room.
- Dec. 15 Rod and Reel Club.
- Dec. 17 C. O. S. Class in Social Work.
- Dec. 28 New Bedford Medical Society. Dr. J. J. H. McAllister—  
"The Various Methods of the Treatment of Syphilis  
with Salvarsan and Neosalvarsan."
- Dec. 31 C. O. S. Class in Social Work.

## APPENDIX E.

## CITY APPROPRIATION.

Appropriation,		\$25,713.76
Transfers		217.92
		<hr/>
		\$25,931.68
Salaries,	\$15,157.64	
Wages,	7,844.22	
Supplies,	1,008.52	
Lighting, branches	433.36	
Heating, branches	232.95	
Repairs and labor,	208.01	
Printing,	181.34	
Telephone,	46.01	
Express and freight,	173.91	
Furniture,	94.75	
Incidentals,	329.91	
Magazines,	15.15	
Clearing Snow,	39.23	
Binding,	1.10	
Water rates,	125.58	
Transporting Books,	40.00	
	<hr/>	\$25,931.68

## KEMPTON FUND.

Balance,		\$3,208.61
Income,		\$12,195.00
		<hr/>
		\$15,403.61
Books,	\$ 6,569.77	
Periodicals,	1,372.53	
Pictures, and work on	338.95	
Binding,	2,411.24	
Printing,	261.84	
Incidentals,	123.60	
Copying records	100.00	
	<hr/>	\$11,177.93
Balance,	4,225.68	
	<hr/>	\$15,403.61

## CHARLES L. WOOD FUND.

Balance,		\$ 65.19
Income,		120.00
		<hr/>
		\$185.19
No expenditures,	.....	
Balance,	<hr/>	\$185.19

JAMES B. CONGDON FUND.

Balance,		\$60.83
Income,		40.00
		<hr/>
		\$100.83

No expenditures .....

Balance,		\$100.83
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OLIVER CROCKER FUND.

Balance,		\$127.00
Income,		80.00
		<hr/>
		\$207.00

Wages	158.10	
Balance,	48.90	
	<hr/>	
		\$207.00

GEORGE O. CROCKER FUND.

Balance,		\$725.68
Income,		600.00
		<hr/>
		\$1,325.68

Salaries and Wages	1,170.76	
Interest refund	145.56	
	<hr/>	
	1,316.32	
Balance,	9.36	
	<hr/>	
		\$1,325.68

CHARLES W. MORGAN FUND.

Balance,		\$ 90.00
Income,		80.00
		<hr/>
		\$170.00

Books	89.31	
Balance,	80.69	
	<hr/>	
		\$170.00

DOG FUND.

Balance,		\$421.86
Income,		2,494.43
		<hr/>
		\$2,916.29

Salaries	1,441.51	
Wages	1,026.78	
Express	29.57	
Repairs and labor	12.04	
Incidentals	36.18	
Light	42.86	
Telephone	9.93	
Supplies	136.93	
	<hr/>	
	\$ 2,735.80	
Balance	180.49	
	<hr/>	
		\$2,916.29

## SYLVIA ANN HOWLAND FUND.

Balance,		\$1,517.68
Income,		4,076.77
		<hr/>
		\$5,594.45

Lectures,	\$ 904.73	
Binding,	43.68	
Periodicals,	445.02	
Supplies,	2.55	
Books,	630.35	
Printing	273.72	
Interest Account,	586.56	
	<hr/>	

	\$2,886.61	
Balance,	2,707.84	
	<hr/>	
		\$5,594.45

## GEORGE HOWLAND, JR., FUND.

Balance,		\$ 82.27
Income,		128.00
		<hr/>
		\$210.27

Books,	\$ 78.13	
Balance,	132.14	
	<hr/>	
		\$210.27

## TOTAL EXPENDITURES.

Salaries and wages,	\$26,640.91
Books,	7,367.56
Periodicals,	1,990.80
Binding,	2,456.02
Pictures, and work on,	338.95
Furniture,	94.75
Lighting,	476.22
Supplies,	1,148.00
Repairs and Labor,	220.05
Telephone,	55.94
Printing,	716.90
Incidentals	529.69
Express and freight,	203.48
Water rates,	125.58
Lectures,	904.73
Heating	232.95
Removing snow,	39.23
Copying records	100.00
Interest refunded,	732.12
	<hr/>
Total,	\$44,373.88

## FINES ACCOUNT.

Balance Dec. 1, 1913,	\$97.80
Receipts from fines to Dec. 1914	1,066.00
	<hr/>
Paid City Treasurer,	\$1,096.00
	<hr/>
Balance Dec. 5, 1914,	\$67.80

## APPENDIX F.

## GIFTS.

*List of Donors—1914.*

	Vols.	Pphs.
Abington, Mass., Town of.....		1
Academy of Political Science, New York, N. Y.....	2	
Acushnet, Mass., Town of.....		1
Aldrich, Herbert L., New York, N. Y.....		1
Allen, Mrs. Charles E., New Bedford.....	4	
American Association for International Conciliation, New York, N. Y.....		14
American Association for Labor Legislation, New York, N. Y. ....		1
American Association for Study and Prevention of Infant Mortality .....		1
American Association of General Passenger and Ticket Agents .....		2
American Civic Alliance, New York, N. Y.....		2
American Congregational Association, Boston.....		1
American Irish Historical Society, New York, N. Y.....	1	
American Mathematical Monthly, Chicago, Ill.....		1
American National Red Cross, Washington, D. C.....		2
American Peace Society, Washington, D. C.....		1
American Proportional Representation Review, Haverford, Pa. ....		1
American Social Hygiene Association, New York, N. Y....		7
American Telephone and Telegraph Co., New York, N. Y.	3	10
American Tract Society, Boston.....		1
American Unitarian Association, Boston.....		4
Amherst College, Amherst.....		1
Andover Theological Seminary, Cambridge.....		2
Anonymous, New Bedford.....	14	Photographs
Appleton, Thomas, New Bedford.....		1
Association of Life Insurance Presidents, New York, N. Y.	1	6
Association of University Women Teachers, London, Eng...		1
Attleborough, Mass., Town of.....		1
Bates College, Lewiston, Me.....		3
Baylor University, Waco, Texas.....		6
Belgian Delegates to the United States.....		1
Belgian Legation, Washington, D. C.....		1
Benton, Col. Josiah H., Boston.....	1	1
Berkshire County, Mass.....		1
Bible Training School, South Lancaster.....	4	



Bibliographical Society of America.....	3
Bliss, Miss Carrie W., New Bedford.....	6
Block, Louis James, Chicago, Ill.....	1
Bolles, Dr. Charles E., New Bedford...Genealogical Matter	
Borden, Mrs. H. L., Fall River.....	1
Boston, Mass., City of.....	2
Boston Insurance Company.....	1
Boston Museum of Fine Arts, Boston.....	8
Boston Port and Seaman's Aid Society, Boston.....	1
Bosworth, Giles B., Denver, Col.....	1
Bowdoin College, Brunswick, Me.....	5
Brentano's, New York, N. Y.....	1
Bridgewater State Normal School, Bridgewater.....	1
Bristol County, Mass.....	1
Bristol County Agricultural School, Segreganset.....	1
Brown and Guesmer, Minneapolis, Minn.....	1
Brown, Rome G., Minneapolis, Minn.....	3
Brown University, Providence, R. I.....	1
Bunker Hill Monument Association, Boston.....	1
Bureau of Municipal Research, Dayton, Ohio.....	1
Bureau of Municipal Research, New York, N. Y.....	1
Bureau of Railway News and Statistics, Chicago, Ill.....	1
Burt, Dr. Clarence E., New Bedford....Medical Periodicals	
Butler Hospital, Providence, R. I.....	1
Carnegie Endowment for International Peace, Washington, D. C.....	3 2
Carnegie Hero Fund Commission, Pittsburg, Pa.....	1
Carnegie Institute of Technology, Pittsburg, Pa.....	1
Carver, Mass., Town of.....	1
Chalif Normal School of Dancing, New York, N. Y.....	1
Charity Organization Society, New Bedford.....	
.....Collection of Reports	
Charity Organization Society of the City of New York, New York, N. Y.....	1
Chatham, Mass., Town of.....	1
Chautauqua Institution, New York, N. Y.....	2
Chicago, Ill., City of.....	6 10
Chicago College of Osteopathy, Chicago, Ill.....	1
Chicago School of Civics and Philanthropy, Chicago, Ill...	5
Church, Miss Cornelia R., Acushnet.....	1
Cincinnati Life Underwriters' Association, Cincinnati, Ohio	1
City Club of Rochester, New York.....	3
City Plan Commission, Newark, N. J.....	1
Civil Service Reform Association, New York, N. Y.....	1
Civis Americanus.....	1

Clemens, William M., New York, N. Y.....	2
Cleveland, Miss Anna W., New Bedford.....	
.....Collection of Postal Cards	3
Clews, Henry, New York, N. Y.....	1
College Entrance Examination Board, New York, N. Y....	1
Collis P. Huntington Memorial Hospital, Boston.....	1
Colorado College, Colorado Springs, Col.....	1
Columbia University, New York, N. Y.....	1
Commercial Club of Duluth, Duluth, Minn.....	1
Committee on Railway Mail Pay, New York, N. Y.....	1
Commonwealth Art Club, Boothbay Harbor, Me.....	1
Commonwealth Club of California, San Francisco, Cal....	1
Connecticut Peace Society, Hartford, Conn.....	1
Connor, Dr. Charles F., New Bedford. Stereoscopic Anatomy	
Crompton and Knowles Loom Works, Worcester.....	5
Curtis Publishing Company, New York, N. Y.....	1
Cutler Hammer Mfg. Co., Milwaukee, Wis.....	1
Dartmouth, Mass., Town of.....	1
Dartmouth College, Hanover, N. H.....	2
Dauntless Club, Buffalo, N. Y.....	1
Delano, Miss Julia, New Bedford.....	24
Denver Board of Park Commissioners, Denver, Col.....	1
Denver and Rio Grande Railroad Company.....	6
Des Moines, Iowa, City of.....	1
Detroit, Mich., City of.....	1
Dexter, Lemuel LeB., Mattapoisett.....	1
DeWolf, Miss Mary L., New Bedford.....	1
Doubleday, Page & Co., Garden City, N. Y.....	1
Draper Company, Hopedale.....	7
Duffield & Company, New York, N. Y.....	1
Duxbury, Mass., Town of.....	1
Easton and Burnham Machine Co., Pawtucket, R. I.....	4
Eddy, Mary Baker, Trustees under will of, Boston.....	2
Egypt Exploration Fund, London, Eng.....	1
Ellis, Mrs. Leonard B., New Bedford.....	5
Ellison, Eldred V. H., New Bedford.....	2
Emery, William M., New Bedford High School Publications	4
Entwistle Company, Lowell.....	1
Essex County, Mass. ....	
Evening Standard, New Bedford.....	5
Fairhaven, Mass., Town of.....	1
Fales and Jenks Machine Co., Pawtucket, R. I.....	2
Fatherland, The, New York, N. Y.....	1
Field Museum of Natural History, Chicago, Ill.....	7
First Church of Christ, Scientist, New Bedford.....	1

Firth, Frank J., Family of the late, Philadelphia, Pa.....	2	
Firth, William, Boston.....		6
Foster Machine Co., Westfield, Mass.....		1
Frantzius, Fritz von, Chicago, Ill.....		2
Free Speech League, New York, N. Y.....		3
Freetown, Mass., Town of.....		1
General Society of Mechanics and Tradesmen, of the City of New York.....		2
Germanistic Society of America, New York, N. Y.....		1
Gifford, William L. R., St. Louis, Mo.....		2
Goodman, Robert, New Bedford.....		1
Habicht, Miss Marguerite, New Bedford.....	1	
Halton, Thomas, Sons, Philadelphia, Pa.....		1
Hampden County, Mass.....		1
Hampshire County, Mass.....		1
Hartford Theological Seminary, Hartford, Conn.....		1
Harvard College Observatory, Cambridge, Mass.....		1
Harvard University, Cambridge, Mass.....	2	2
Haskell, Eugenia, Rochester, Mass.....		3
Headley, P. C., Jr., New Bedford.....		2
Hebrew Union College, Cincinnati, Ohio.....		3
Henry Bergh Foundation, New York, N. Y.....		3
Henry, T. M., Mississippi.....		1
Hinds, Noble and Eldredge, New York, N. Y.....	1	
Home and School League, Philadelphia, Pa.....		1
Hough, Garry DeN., M. D., New Bedford....	Medical Works	
Hough, George A., New Bedford.....	7 Photographs	
Howard and Bullough, American Machine Co., Pawtucket, R. I.....		2
Howard, Horatio P., New York, N. Y.....		1
Humane Society, Kansas City, Mo.....		1
Hutchinson, H. S. and Co., New Bedford.....	1	
Indian Rights Association, Philadelphia, Pa.....		2
Industrial Commission of Ohio.....		3
Industrial Commission, Norfolk, Va.....		1
International Institute of Agriculture, Rome, N. Y.....		9
International Irrigation Congress, Calgary, Alberta, Canada		4
Jenney, Mrs. B. F., New Bedford.....	Collection of Music and Cabinets	
Jewish Agricultural and Industrial Aid Society, New York, N. Y.....		1
Johns Hopkins University, Baltimore, Md.....		1
Jones, McDuffee and Stratton Co., Boston.....	1	
Kaharl, Edgar, New Bedford.....		2
Kansas State Board of Agriculture, Topeka, Kan.....	1	2

Kansas State Manual Training Normal School, Pittsburg, Kan.....	2
Katzman, Israel, New Bedford.....	3
Kelly, Edmond, New York, N. Y.....	1
Klander-Weldon Dyeing Machine Co., Amsterdam, N. Y....	1
Knowles, Richard, New Bedford.....	1
Kromp Hardt, G. Fred, San Francisco, Cal.....	1
"A Lady".....	1
Lake Mohonk Conference on International Arbitration, Mohonk Lake, N. Y.....	1
Lakeville, Mass., Town of.....	1
Latimer, E. M., New Bedford.....	2
Leighton Machine Co., Manchester, N. H.....	1
Leland Stanford Junior University, Stanford University, Cal.	1

Libraries, State Library Commissions and Similar Institutions.

(Gifts including Reports, Bulletins or like publications have been received from the following institutions.)

Andover, Mass., Memorial Hall Library.

Augusta, Maine, Maine State Library.

Baltimore, Md., Enoch Pratt Free Library.

Boston, Mass.

[Massachusetts] State Library.

[Massachusetts] Board of Free Public Library Commissioners.

Public Library.

Braddock, Pa., Carnegie Free Library.

Bradford, Pa., Carnegie Public Library.

Branford, Conn., James Blackstone Memorial Library.

Bridgewater [Mass.] Public Library.

Brockton [Mass.,] Public Library.

Brookline [Mass.] Public Library.

Brooklyn Institute of Arts and Sciences, Brooklyn, N. Y.

Brooklyn N. Y., Pratt Institute Free Library.

Brooklyn [N. Y.] Public Library.

Buffalo [N. Y.] Public Library.

Burlington, Vt., Fletcher Free Library.

Cambridge [Mass.] Public Library.

Harvard University Library.

Canton [Mass.] Public Library.

Cardiff, Wales, Public Library.

Cedar Rapids, Iowa, Free Public Library.

Chelsea [Mass.] Public Library.

Chicago, Ill., John Crerar Library.

Municipal Reference Library.

Chicopee [Mass.] Public Library.  
Cincinnati, Ohio, Lloyd Library.  
Cleveland [Ohio] Public Library.  
Clinton, Mass., Bibelow Free Public Library.  
Concord [N. H.] Public Library.  
Danvers, Mass., Peabody Institute.  
Detroit [Mich.] Public Library.  
Dover [N. H.] Public Library.  
East Orange [N. J.] Free Public Library.  
Elizabeth [N. J.] Free Public Library.  
Erie [Pa.] Public Library.  
Fairhaven, Mass., The Millicent Library.  
Fitchburg [Mass.] Public Library.  
Galveston, Texas, Rosenberg Library.  
Gary [Ind.] Public Library.  
Germantown, Phila., Friends' Free Library.  
Grand Rapids [Mich.] Public Library.  
Groton [Mass.] Public Library.  
Habana, Cuba, Biblioteca Nacional.  
Hartford [Conn.] Public Library.  
Haverhill [Mass.] Public Library.  
Helena [Mont.] Public Library.  
Hopedale, Mass., Bancroft Memorial Library.  
Indianapolis [Ind.] Public Library.  
Jamaica, N. Y., Queens Borough Public Library.  
Jersey City [N. J.] Free Public Library.  
Lancaster, Mass., Town Library.  
Lansing, Mich., Michigan State Library.  
Leominster [Mass.] Public Library.  
Lincoln, Neb., City Library.  
Los Angeles [Cal.] Public Library.  
Louisville [Ky.] Free Public Library.  
Lynn [Mass.] Public Library.  
Malden [Mass.] Public Library.  
Manchester, N. H., City Library.  
Medford [Mass.] Public Library.  
Middleboro [Mass.] Public Library.  
Milton [Mass.] Public Library.  
Milwaukee [Wis.] Public Library.  
Monmouth, Ill., Warren County Library.  
Montpelier, Vt., Vermont Free Public Library Commission  
Nashville, Tenn., Carnegie Library.  
New Britain [Conn.] Institute Library.

New Haven [Conn.] Public Library.  
Yale University Library.  
New Orleans [La.] Public Library.  
New York, N. Y.  
Columbia University Library.  
New York Mercantile Library Association.  
Public Library.  
Russell Sage Foundation Library.  
Newport, R. I., Redwood Library and Athenaeum.  
Northampton, Mass., Forbes Library.  
Oakland [Cal.] Free Library.  
Paisley, Scotland, Free Public Library.  
Passaic [N. J.] Public Library.  
Paterson [N. J.] Free Public Library.  
Pawtucket, R. I., Deborah Cook Sayles Library.  
Philadelphia, Pa., Apprentices' Library Company.  
Franklin Institute.  
City Institute.  
Free Library of Philadelphia.  
Library Company of Philadelphia.  
Pittsburgh, Pa., Carnegie Library.  
Portland [Me.] Public Library.  
Portland, Oregon, Public Library of Multnomah County.  
Poughkeepsie, N. Y., Adriance Memorial Library.  
Providence [R. I.] Public Library.  
Quincy, Mass., Thomas Crane Public Library.  
Rochester [N. Y.] Public Library.  
Rutland [Vt.] Free Library Association.  
Sacramento, Cal., State Library.  
St. Louis, Mo., Mercantile Library Association.  
St. Louis [Mo.] Public Library.  
Salem [Mass.] Public Library.  
Salt Lake City [Utah] Public Library.  
San Francisco [Cal.] Public Library.  
Savannah [Ga.] Public Library.  
Schenectady [N. Y.] Public Library.  
Scranton [Pa.] Public Library.  
Seattle [Wash.] Public Library.  
Shelton, Conn., Plumb Memorial Library.  
Somerville [Mass.] Public Library.  
Spokane [Wash.] Public Library.  
Springfield, Mass., City Library Association.  
Syracuse [N. Y.] Public Library.  
Taunton [Mass.] Public Library.

Trenton, N. J., New Jersey State Library.  
 Waltham [Mass.] Public Library.  
 Washington, D. C., Library of Congress.  
     Public Library of the District of Columbia.  
 Westminster, City of [London, Eng.] Public Library.  
 Wilmington [Del.] Institute Free Library.  
 Worcester, Mass., Clark University Library.  
     Free Public Library.

Los Angeles, Cal., City of.....	1	
Lotus Club, New York, N. Y.....		5
McAfee, Miss Ida A., New Bedford.....		3
McMaster, Fitz Hugh, Columbus, S. C.....		1
McNab, Hon. Robert, Dunedin, N. Z.....	1	
Macomber, Edward L., Westport, Mass.....		1
Manhattan Co., Bank of, New York, N. Y.....		2
Manufacturers' Association of Utah, Salt Lake City, Utah		1
Mason Machine Works, Taunton, Mass.....		5
Massachusetts Agricultural College, Amherst.....		1
Massachusetts Agricultural Experiment Station, Amherst...	14	
Massachusetts Audubon Society, Boston.....		2
Massachusetts Charitable Eye and Ear Infirmary, Boston...		1
Massachusetts Civic League, Boston.....		1
Massachusetts, Commonwealth of,		
Board of Gas and Electric Light Commissioners.....	1	
Board of Harbor and Land Commissioners.....	1	3
Bureau of Statistics.....	1	10
Civil Service Commission.....		4
Commission on Immigration.....	1	
Industrial Accident Board.....	2	2
Insurance Department.....	2	
Office of the Secretary.....	29	
State Board of Charity.....	2	
State Board of Health.....		10
Massachusetts General Hospital, Boston.....	1	
Massachusetts Institute of Technology.....	1	1
Massachusetts Nautical School, Commissioners of, Boston		3
Massachusetts Society of the Sons of the American Revolution, Boston.....	1	
Meadville Theological School, Meadville, Pa.....		4
Merchants Exchange of St. Louis, St. Louis, Mo.....	1	
Metropolitan Life Insurance Company, New York, N. Y....		5
Metropolitan Museum of Art, New York, N. Y.....		3
Minneapolis, Minn., Board of Park Commissioners.....		1
Moorehead, Warren K., Andover, Mass.....		2
Morgan, J. P. and Company, New York, N. Y.....		1

Mosher, Charles E. E., New Bedford, Collection of Music	
Mount Holyoke College, South Hadley.....	1
Murray, J. T., New Bedford.....	1
Nantucket County, Mass.....	2
National Academy of Sciences, Washington, D. C.....	1
National Association of Corporation Schools, New York, N. Y.	6
National Association of Manufacturers, New York, N. Y....	1
National Automobile Chamber of Commerce, New York, N. Y.....	1
National Child Labor Committee.....	3
National City Bank of New Rochelle, New Rochelle, N. Y.	1
National Civil Service Reform League, New York, N. Y....	1
National Collegiate Athletic Association, Middletown, Conn.	1
National Conference on the Education of Backward, Truant, Delinquent and Dependent Children.....	1
National Information Bureau, Indianapolis, Ind.....	1
National Municipal League.....	1
National Short Ballot Organization, New York, N. Y....	1
Nelson, Mrs. Maud Mendall, Brooklyn, N. Y.....	1
New Bedford, Mass., City of	
Board of Cemetery Commissioners.....	1
Board of Health.....	4
Board of Park Commissioners.....	1
Chief Engineer of Fire Department.....	3
City Auditor.....	1
City Clerk.....	28
Inspector of Buildings.....	3
School Committee.....	2
Superintendent of Streets.....	1
New England Anti-Vivisection Society, Boston.....	1
New England Association of Plumbing Inspectors.....	1
New England Society in the City of New York, New York, N. Y.....	1
New York Association for Improving Condition of the Poor in New York, N. Y.....	2
New York, City of	
Board of Education.....	1
Board of Estimate and Apportionment.....	2
Board of Water Supply.....	4
Department of Parks.....	3
New York Farmers, New York, N. Y.....	1
New York Short Ballot Organization, New York, N. Y....	1
New York Society of the Order of the Founders and Patriots of America, New York, N. Y.....	2
New York State Board of Charities, Albany, N. Y.....	2
New York State School for the Blind, Batavia, N. Y....	1



New York Stock Exchange, New York, N. Y.....	1	1
New York Tax Reform Association, New York.....	2	
New York University, New York, N. Y.....	1	
Newport Historical Society, Newport, R. I.....	6	
Norfolk County, Mass.....	1	
Norton Company, Worcester, Mass.....	1	
Ohio Wesleyan University, Delaware, Ohio.....	1	1
Olmsted, John C., Brookline, Mass.....	1	
Parker, Sir Gilbert, London, Eng.....	1	7
Peabody Education Fund.....		1
Peabody Institute, Baltimore, Md.....		1
Pennsylvania Prison Society, Philadelphia, Pa.....		2
Perkins Institution for the Blind, Watertown, Mass.....		2
Phillips Exeter Academy, Exeter, N. H.....		4
Phillips, John Burton, Boulder, Col.....		4
Pierce, Mrs. Andrew G., Jr., New Bedford.....		
.....Portfolio of Engravings		
Plymouth County, Mass.....		1
Poor's Railroad Manual Company, New York, N. Y.....		1
Potter and Johnston Machine Co., Pawtucket, R. I.....		6
Pratt Institute, Brooklyn, N. Y.....		7
Princeton Theological Seminary, Princeton, N. J.....		3
Princeton University, Princeton, N. J.....	1	

Publishers or Institutions issuing the following publications:

A Alvorada, New Bedford.  
 Ambition, Scranton, Pa.  
 Americas, The, New York, N. Y.  
 O Orauto, Oakland, Cal.  
 Brown Alumni Monthly, Providence, R. I.  
 Canal Record, Ancon, Canal Zone, Isthmus of Panama.  
 Chase Chronicle, Boston.  
 Chicago Banker, Chicago, Ill.  
 Christian Science Journal, Boston.  
 Christian Science Sentinel, Boston.  
 Church Militant, Boston.  
 City of Lexington, Lexington, Ky.  
 Club Woman's Magazine, Cincinnati, Ohio.  
 Concrete, Detroit, Mich.  
 Cook's American Traveler's Gazette, New York, N. Y.  
 Crisis, New York, N. Y.  
 Crockery and Glass Journal, New York, N. Y.  
 Current Anthropological Literature, New York, N. Y.  
 Denver Municipal Facts, Denver, Col.

Deseret Evening News, Salt Lake City, Utah.  
Dog Fancier, Battle Creek, Mich.  
Eastern and Western Review, Boston.  
Edison Kinetogram, Orange, N. J.  
Facts About Sugar, New York, N. Y.  
Filipino People, The, Washington, D. C.  
Free Poland, Chicago, Ill.  
General Electric Company, Power and Mining Department,  
Schenectady, N. Y.  
Good Government, New York, N. Y.  
Gospel Trumpet, Anderson, Ind.  
Gregg Writer, Chicago, Ill.  
Grinnell Review, Grinnell, Ia.  
Holy Cross Purple, Worcester.  
Independent, Kansas City, Mo.  
Johns Hopkins University Circular, Baltimore, Md.  
Journal of Zoophily, Philadelphia, Pa.  
Labor Digest, Minneapolis, Minn.  
Matilda Ziegler Magazine for the Blind, New York, N. Y.  
Mill Supplies, Chicago, Ill.  
Monthly Bulletin of the American Iron and Steel Institute,  
New York, N. Y.  
New Church League Journal, Chicago, Ill.  
North Queensland Register, Townsville, Australia.  
Onward, Boston.  
Our Four-Footed Friends, Boston.  
Owl, The, Kewanee, Wis.  
O Popular, New Bedford.  
Pay Roll Builder, Salt Lake City, Utah.  
Primitive Methodist Journal, Fall River.  
Providence Board of Trade Journal, Providence, R. I.  
Record, The, New York, N. Y.  
Sea Breeze, Boston.  
Short Ballot Bulletin, New York, N. Y.  
Signs of the Times, Cincinnati, Ohio.  
Tuskegee Student, Tuskegee, Ala.  
Two States, Cambridge.  
A Uniao Portuguesa, Oakland, Cal.  
Universalist Leader, Boston.  
Vedanta Monthly, Boston.  
Volunteer's Gazette, New York, N. Y.  
Wage Earner, Boston.  
Wort, Das, St. Louis, Mo.

	Vols. Pphs.	
Purrington, Rev. Oliver B., New Bedford.....	109	
Putman's, G. P. Sons, New York, N. Y.....	1	
Putz, Henry, New Bedford.....	2	
Quezon, Hon. Manuel L., Philippine Islands.....	3	
Radeliffe College, Cambridge.....	1	3
Railroad Presidents, Committee of.....	1	24
Raymond and Whitcomb Co., Boston.....	4	
Regional Reserve Bank Committee, Baltimore, Md.....	1	
Rensselaer Polytechnic Institute, Troy, N. Y.....	1	
Rhoades, Miss Nina, New York, N. Y.....	1	1
Rhode Island Historical Society.....	2	
Rhode Island School of Design, Providence, R. I.....	6	
Rockefeller Sanitary Commission.....	5	
Royal Society of Canada, Ottawa, Can.....	1	3
Russell Sage Foundation, New York, N. Y.....	3	
Russell, Rt. Rev. William T., Washington, D. C.....	2	
Saco-Lowell Shops, Boston.....	6	5
St. Louis, City of, Mo.....	1	
St. Louis Pageant Drama Association, St. Louis, Mo.....	2	
St. Luke's Hospital, New Bedford.....	1	
Sakatos, Gregory, Brooklyn, N. Y.....	1	
Sanford and Kelley, New Bedford.....	1	1
Saturday Club, The, New Bedford.....	5 Photographs	
Savage, Mrs. Emma J., Springfield, Ill.....	1	
Sayer, William L., New Bedford.....	1	
Sayer, William L., Bequest.....	Books on Printing	
Seabury, Rev. J. B., Wellesley Hills.....	1	
Shaw, Mrs. Franklin, New Bedford.....	12	
Shaw, G. Arnold, New York, N. Y.....	1	
Sherman, J. Clifford, New Bedford.....	1	
Simmons College, Boston.....	1	
Sisters of Holy Cross.....	1	
Snow, Mrs. Daisy, New Bedford.....	1	
Social Research Council of Boston, Cambridge.....	1	
Soldiers' Home in Massachusetts, Chelsea.....	1	
Southern Pacific Railway Co.....	3	
Spiegel, Rev. H., New Bedford.....	1	2
Sprague, Francis W., Brookline, Mass.....	1	
Stafford and Holt, Little Falls, N. Y.....	2	
State Charities Aid Association.....	1	
State Company, The, Columbia, S. C.....	1	
Stedman, Mrs. Mabel Weiss, Brookline, Mass.....	4	
Stetson, Frederick D., New Bedford.....	1	
Sturtevant, B. F., Company, Boston.....	1	

Swain Free School of Design, New Bedford.....	1
Swansea, Mass., Town of.....	1
Taber, Mrs. Mary J., New Bedford.....	1
Testimony Publishing Co., Chicago, Ill.....	1
Thompson, William, New Bedford.....	2
Tripp, George A., Chicago, Ill.....	1
Tripp, George H., Fairhaven.....	3 2
Trustees of Public Reservations, Boston, Mass.....	1
Tucker, George Fox, Boston.....	4
Tufts College, Boston.....	1
Tupper, George W., Boston.....	1
Union Theological Seminary, New York, N. Y.....	1
United Shoe Machinery Co., Boston.....	1

United States Government—(Publications of the following departments, most of which were received from the Superintendent of Documents)—Pamphlets and leaflets grouped:

Agriculture, Department of.....	6	509
Civil Service Commission.....	1	37
Commerce Department.....	39	508
Commerce and Labor Department.....	4	6
Congress of United States.....	130	2
Court of Claims.....	1	
District of Columbia.....	4	1
Geographic Board.....		1
Government Printing Office.....	6	45
Interior Department..... Atlas folios and maps	50	256
Interstate Commerce Commission.....	3	62
Justice Department.....	2	1
Labor Department.....	13	43
Library of Congress.....	4	193
National Academy of Sciences.....	1	
Navy Department.....	7	20
Pan-American Union.....	2	11
Philippine Islands, Bureau of Civil Service.....		1
Philippine Islands, Bureau of Education.....		3
Post Office Department.....	1	2
Reserve Bank Organization Committee.....		1
Smithsonian Institution.....	12	37
State Department.....	4	
Superintendent of Documents.....	2	13
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United States Brewers' Association, New York, N. Y.....	2	
United States Rubber Co., New York, N. Y.....		1
United States Steel Corporation, New York, N. Y.....		1
Universal Winding Company, Boston.....		2
University of Chicago, Chicago, Ill.....	3	6
University of Illinois, Urbana, Ill.....	2	2
University of Nebraska, Lincoln, Neb.....	1	16
University of North Dakota, University, N. Dak.....	1	
University of Pittsburg, Pittsburg, Pa.....		1
University of South Carolina, Columbia, S. C.....		1
University of Texas, Austin, Tex.....		13
University of the State of New York, Albany, N. Y.....		10
University of Vermont, Burlington, Vt.....		1
University of Washington, Seattle, Wash.....	1	3
Untermeyer, Samuel, New York, N. Y.....		3
Updike, D. P., Boston.....	Print	
Valakos, D. E., New York, N. Y.....		1
Van Antwerp, William C., Garden City, N. Y.....	1	
Vocation Bureau, Boston.....	9	
Warbasse, James P., Brooklyn, N. Y.....		2
Waterman, William H., New Bedford.....	Periodical	
Wellesley College, Wellesley.....		1
Wentworth Institute, Boston.....		1
Wesleyan University, Middletown, Conn.....		3
Western Theological Seminary, Chicago, Ill.....		1
Westport, Mass., Town of.....		1
Whitin Machine Works, Whitinsville, Mass.....	3	
Whitman, Miss Florence L., New York, N. Y.....	2	
Wilde, W. A. Company, Boston.....		2
Williams College, Williamstown.....		3
Women's Municipal League, Boston.....		1
Woodward, John W., New Bedford.....	Genealogical matter	13
Woodhouse, Fred, New Bedford.....	4	
Woonsocket Machine and Press Co., Woonsocket, R. I.....		3
Worcester County, Mass.....		1
Worcester Polytechnic Institute, Worcester, Mass.....	5	4
Workingmen's Compensation Publicity Bureau, New York, N. Y.....		26
World Peace Foundation, Boston.....		15
Wright, J. Arnold, New Bedford.....	15	
Yale University, New Haven, Conn.....	1	5
Zerbone, Antonio, New Bedford.....	33	

**CITY OF NEW BEDFORD.**

**IN BOARD OF ALDERMEN,**

**February 11, 1915.**

**Received. Placed on file; ordered printed in the  
City Documents, and sent down for concurrence.**

**W. H. B. REMINGTON,**

**City Clerk.**

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**IN COMMON COUNCIL,**

**February 11, 1915.**

**Concurred.**

**CHARLES P. SAWYER,**

**Clerk**



**TWENTY-FIRST ANNUAL REPORT**

**OF THE**

**Department of Parks**

**OF THE**

**CITY OF NEW BEDFORD**

**For the year 1914.**



**NEW BEDFORD, MASS.**  
**THE J. E. BUDLONG PRESS**  
**1915.**







**MR. GEORGE D. BARNARD**  
**DONOR OF MONUMENT**





**MR. GEORGE D. BARNARD**  
**DONOR OF MONUMENT**



**BOARD OF PARK COMMISSIONERS.**

**1913—1914.**

**SAMUEL P. RICHMOND,**  
**WILLIAM F. CASWELL,**  
**ANTONE L. SYLVIA,**  
**WILLIAM KEITH,**  
**OBED C. NYE.**

**OFFICERS.**

**SAMUEL P. RICHMOND, Chairman.**  
**WILLIAM F. CASWELL, Secretary.**  
**THOMAS W. COOK, General Superintendent.**

**CONSULTING ENGINEER.**

**George H. Nye, City Engineer**

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DEPARTMENT OF PUBLIC PARKS.

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COMMISSIONER'S REPORT FOR 1914.

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*To His Honor the Mayor and the City Council of New  
Bedford:—*

In accordance with the Revised Laws of the Commonwealth of Massachusetts, 1902, Chapter 28, Section 13, the title "Public Parks, Playgrounds, and Public Domain", the Park Commissioners of the City of New Bedford, respectfully submit their Annual Report.

CITY OF NEW BEDFORD,  
OFFICE OF BOARD OF PARK COMMISSIONERS.

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December 1, 1914.

*To His Honor the Mayor and City Council of the City of  
New Bedford:—*

GENTLEMEN!—We have the honor in accordance with the requirements of the law and with the usual custom, of submitting to you the Annual Report of the Park Commissioners in relation to the maintenance, conditions and requirements of the Department for the year 1914.

The financial report presents the condition of our resources as follows:—

Appropriation by the City Council \$40,000., leaving a balance of \$3.98. Of this amount \$25,592.30 was expended for labor, and \$14,403.72 for materials in the maintenance of the parks. The work, care, and maintenance of the parks has been much the same as in former years, but little new work has been accomplished, and that principally at Buttonwood Park.

In May, the land at the corner of Rivet and Bolton Streets containing 691-39/100 square rods was purchased from the New England Cotton Yarn Company for the sum of \$34,569.50 and by a unanimous vote of the Board named it Ashley Park in honor of Mayor Charles S. Ashley, and we quote from one of our daily papers as showing the satisfaction of the board's action.

“A Fitting Tribute to Mayor Ashley”.





ASHLEY PARK

In naming the City's newest park, at the junction of Rivet and Bolton streets, Ashley Park, the Park Board has done something eminently fitting and proper. It has paid to Mayor Charles S. Ashley a tribute which he justly deserves, and which he unquestionably appreciates from the bottom of his heart.

New Bedford's Park System has always appealed to the Mayor, and, with the exception of the Common, every park that the City owns, was purchased by administrations of which he was the head. In several instances he has been forced to fight strenuously to convince the other members of the government that money paid out of the treasury for parks, was not money wasted.

It has always been Mayor Ashley's policy to give the Park Department as large an annual appropriation as the City Finances allowed, and in consequence of the carrying out of this policy, New Bedford boasts of parks which no New England City of its size can excel and few can equal.

The Mayor has always realized that the population of a manufacturing City, such as New Bedford, needs large and beautiful parks as recreation grounds and breathing spots for the thousands whose homes are in tenement houses in congested areas, and for that reason proposed improvements to the parks, have always met with his favorable consideration and co-operation. His liberality and broad minded

policy relative to the park system has resulted in the possession by the City of such complete and beautiful parks, as Brooklawn in the north end, Buttonwood in the west end, and Hazelwood in the south end, all large tracts of land where "Keep off the Grass" signs are noticeably absent and where everything is provided for everybody's enjoyment.

At times some of our citizens have suggested the fear that we were too grasping in the purchasing of land for parks, and that we were overreaching the economic principle of park management and that we were overdoing that class of public improvements, but to the credit of the great majority of our citizens and property owners, that arrangement does not appeal with any force and the objectors are becoming less and less each year as the use of the parks are more and more being visited by the people and the benefits of them becoming apparant in an appreciable way which is convincing.

There are many ways the Board could suggest to improve the parks and add to their attractiveness and shall from time to time as the financial condition will allow and the Honorable City Council will by their generous appropriations support, carry out the various matters conducive to the improvements of the parks and the satisfaction and pleasure of the people whose property they are.

On all the parks are recreation grounds which are provided with tennis courts, ball diamonds, football fields, swings, and other amusements calculated to amuse and satisfy all who desire to take advantage of out-door life and pleasurable recreation, the existence of which is prompted by the desire of the Board to present to the people of our City the opportunities to enjoy the beautiful in nature attractively placed, and properly directed and maintained.

The most important work of the year was the building of a road from Buttonwood Park through the land recently purchased from the Howland Estate, to Hawthorn Street. This makes a splendid drive through the woods and allows the visitors from the south part of the City to enter the park amid different and more interesting and picturesque surroundings, and will contribute largely to the enjoyment of those who love the woods, their wild and romantic appearance and healthgiving atmosphere.

The greatest need and most serious necessity at Buttonwood Park, is a shelter and convenience house, the need of which is absolutely indispensable, and no longer should be delayed. The demands of the public are getting to be too persevering and active, not to be noticed. The already inadequate provisions for the comfort, convenience, and necessities, to which the public visiting the park have had to submit to, should exist no longer, and the park should be



**BEAR AT BUTTONWOOD PARK**

improved with an up-to-date building that would answer the purposes demanded by all the requirements of a sanitary, healthful, and convenient public park, where the necessities of great public gatherings can be considered in a decent manner. Such does not exist at Buttonwood Park. Already the buildings now being used for that purpose have been subjected to many complaints by the people, and the Board has received orders from the Board of Health to remedy the evil. The expense of such a structure which would completely answer all requirements would incur an outlay of about \$10,000.

More liberal appropriations should be allowed for installing playground apparatus on all the parks. At present only a very limited amount of athletic apparatus is to be found on any of the parks, and while the demands for them are great by the desire of constantly growing numbers of children who make the park play-grounds the mecca of their playground desires and ambitions, it makes one glad to be alive.

The best of police order is maintained on all the parks and children are under the best of care while on the parks, so they may enjoy to the fullest extent the advantages of a healthy out-of-door life.

It has been suggested that an excellent library might be maintained at Hazelwood Park for the use of the people

living at that end of the City where they could obtain all the standard works of fiction and books of travel and research as well as the latest novels. The Howland House has remained, since it became the property of the City, unoccupied and would be an ideal place for such a purpose.

Tennis has proved to be on the parks, as elsewhere a very popular pastime and the ten courts on the parks are in constant use during the season. Many of them in use as early as six o'clock in the morning, and kept busy until dark. A request has been made by the lovers of horse-back riding to install on Buttonwood Park a speedway and a course for hurddle riding. The matter was duly considered by the board and the General Superintendent instructed to carry out as far as consistent and possible under the conditions of location and finances, the wishes of the petitioners. The place selected was the south side of the playfield near Rockdale Avenue, and in the spring it will be built as quickly as possible so the interested ones can have all the enjoyment they anticipate as early as possible.

The band concerts held in the various parks the year before were greatly missed this year, as no appropriation was made for them, they had to be discontinued. They were a means of pleasure and delight for a great mass of our citizens, and we do not hesitate to advise band concerts on all the parks and as often as possible, at least once a week,

and seats provided around the band stands so those people who desire to enjoy the music by occupying them, will not be disturbed by those who prefer to promenade.

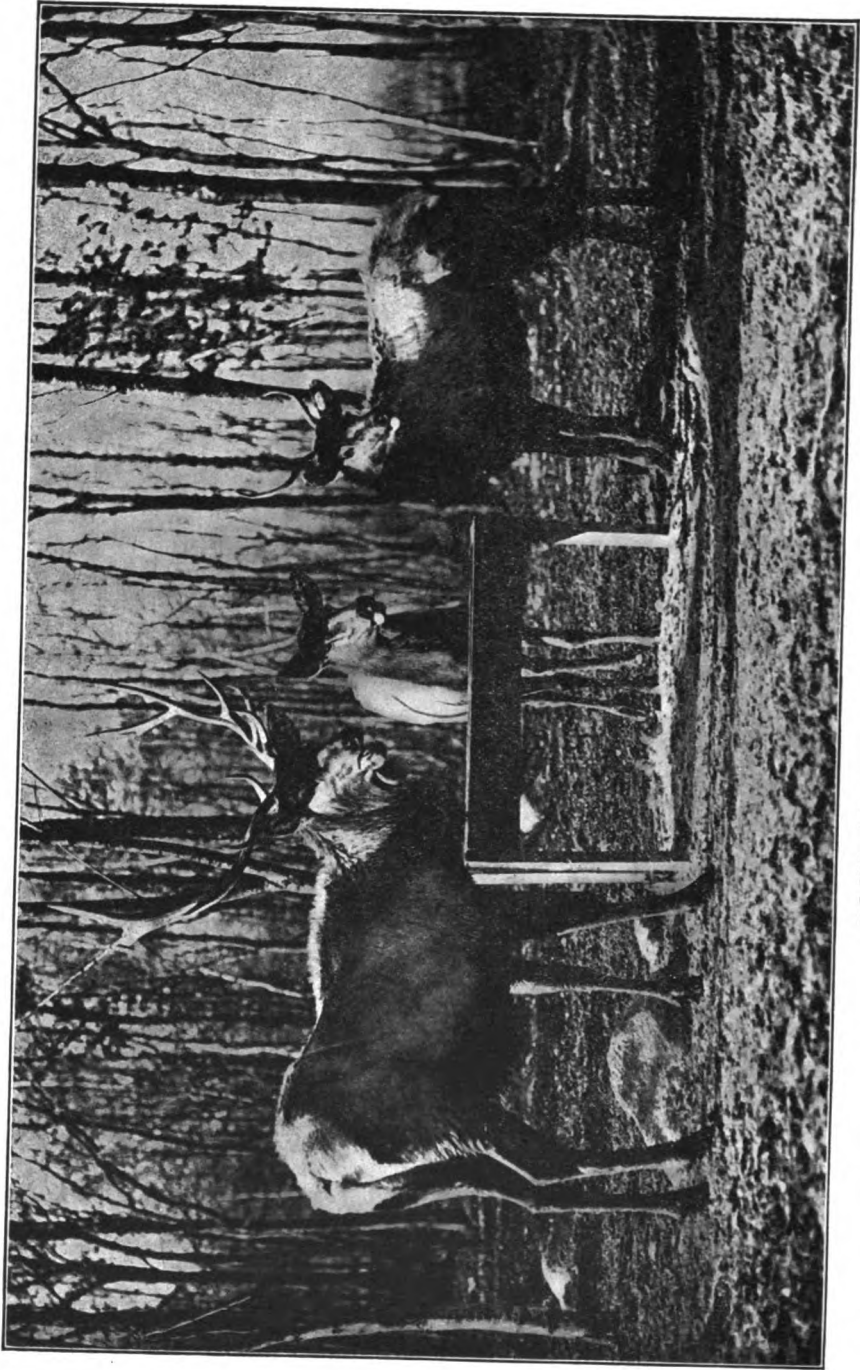
Quite an interesting game was arranged for at the request of a number of people who seemed to be experts in the game of quoits. The necessary requirements were provided for them, and evenings and Saturday afternoons, the lovers of the game take advantage of the opportunity given them, to once more play the old Scotch game of quoits.

The application of oil on the roads of the parks has proved very satisfactory and should be continued the coming season for it not only conduces to the comfort and convenience of the people, but the grass and shrubbery are benefitted by the absence of the dust.

The fly-casting pool was extensively used and the Rod and Reel Club as well as the public who witnessed the play, were greatly pleased at the arrangement provided for them. The Club and others were greatly interested in the flycasting tournaments held during the season.

Again we call attention to the need of something being done on the north boundary of Brooklawn Park. It is now being used constantly and extensively as a highway by the people living north and west of the park. It seems





ELKS AT BUTTONWOOD PARK

to be an outlet for all traffic in that direction, teaming of all descriptions are taking advantage of it instead of using Wood, Hersom, or other streets running east and west from Acushnet Avenue to Bowditch Street and thence north to Acushnet. If it is to be made a regular highway and driveway through the park, it should be done at once, if not, then a fence should enclose the park on that side. Now, it represents anything but a park. If a properly constructed road should be built commensurate with its importance as a part of Brooklawn Park to be used for park purposes only, or if it should include traffic use, quite an appropriation would be required in addition to our regular amount. Upon a visit of Mayor Ashley, the Park Board, and the City Engineer sometime since, the Mayor and Board agreed upon what was considered the most feasible plan for its solution, and plans were made by the Engineer, but nothing has been done, as the expense would be such that the Board could not attempt it with the means at their disposal. Since that time, the matter has rested, nevertheless, it is one of the things in connection with park system that should be settled, not only in justice to the park itself, but on account of the rights of the people in that neighborhood which should be recognized. Outside of the Convenience Station or Shelter House at Buttonwood Park, it is the most important and needed improvement at this time.

An addition to the warming or skating house of 22 feet at Buttonwood Park has helped out very much in accommodating the skaters, and in connection with the refreshment stand. makes a comfortable place for the skaters to refresh and rest themselves.

The new road built through the woods of Buttonwood Park to Hawthorn Street, makes a romantic and most interesting feature of the park. At the sides of the road at intervals, will be placed seats for those who desire to linger and enjoy the beautiful woodland. Only pleasure carriages are allowed to pass through, all business vehicles excluded. The total length of the road is 900 feet and 22 feet wide, and composed of the following materials:-736 tons of crushed stone, 450 cubic yards of dirt, and 391 two-horse loads of cinders which were presented to the department by the management of the Quisset Manufacturing Company to whom the Park Commissioners extend their grateful acknowledgment. The cost of labor in the building of the road was \$2,215.60 and material \$1,082.13.

The new Ashley Park received some attention and as a beginning towards its better appearance 1461 cubic yards of filling, at an expense of \$511.88, was used on the Bolton Road side in grading and the amount of money expended for labor was \$1098.13. During the coming season the

work of grading should be continued. 48 wooden seats have been placed on the park which seems to be enough for the present.

On the Common no important additions or changes have been made to this park by which its appearance has been improved, and as it seemed to be in a fairly good condition, it was thought that any expenditure for improvements could be delayed for another season. For a park situated as the Common is, some work should be done to make it more complete, it should be the public garden of the City, as we have said before, it is situated in a very prominent part of the City, in the midst of a fine residential section where thousands of citizens cross and recross it daily. Additional flower beds should be laid out and all the shrub beds which are now more or less delapidated should be renewed.

The elm-leaf beetle which has been such a pest, caused so much trouble and made such progress and havoc within the last few years among the elm trees, made their appearance and attacked a few trees, but by close attention, active measures and energetic treatment by the City Forester who had the proper machinery, they were prevented from spreading or doing much damage. They will probably make their appearance again next spring, but we are fully alive to the danger and feel able to control them,

All the seats have had a coat of paint as well as other things needing that kind of protection from the elements.

The Board believe that the entertainment of the people upon the parks by free open-air concerts, pageant and picnics, a profitable and desirable feature of park management. Order and decorum are easily maintained and the multitudes always seem to appreciate the efforts made to provide them with opportunities for pleasure and recreation. Many were the special arrangements made in advance by families, schools, societies, and associations to meet at the parks, enjoy their picnic and a day's outing. Not only were they from our own City, but the neighboring towns availed themselves of the attractions and privileges of the parks and parties and schools from Fall River, Marion, and Mattapoisett, Westport, and other towns were welcomed.

A beautiful, interesting, and highly entertaining spectacle was presented on the Common, Saturday, June 6th, in the presence of five thousand citizens, by the Young Women's Christian Association, representing the physical, social, and spiritual development of young women, and in order that it may be easy of access at all times as a part of the history of the Common, we place in our Annual Report of the parks, a complete account of the pageant as reported by the Evening Standard, which is as follows:-

"Stirring hours and patriotic hours the New Bedford Common has known from time to time. But it is safe to say that never before did it blossom out into anything half so picturesque as the big Y. W. C. A. pageant made it yesterday afternoon. Seldom has a larger crowd assembled in this City than the approximate five thousand on the Common yesterday and never have there been such distinguished personages in any New Bedford gathering. For history and literature and fairyland itself had all sent representatives. Pocahontas and the modern college girl elbowed each other; Joan of Arc was hot upon the trail of Mother Goose. But this is getting ahead of the story.

Promptly at 4 o'clock the orchestra struck up a march. Slowly there advanced across the green level the stately Association Spirit, clad in the flowing robe of royal blue. Just preceding her came the four couriers, white-dressed, their blue insignia ribbons proclaiming them from her royal court. They represented the fourfold purpose of the association, "For the physical, mental, social, and spiritual development of young women."

Followed the student associations, dignified with sober cap and gown, or with their normal schools indicated by a ribbon band over the right shoulder. Green-capped country girls were just behind, and three small sprites with flower

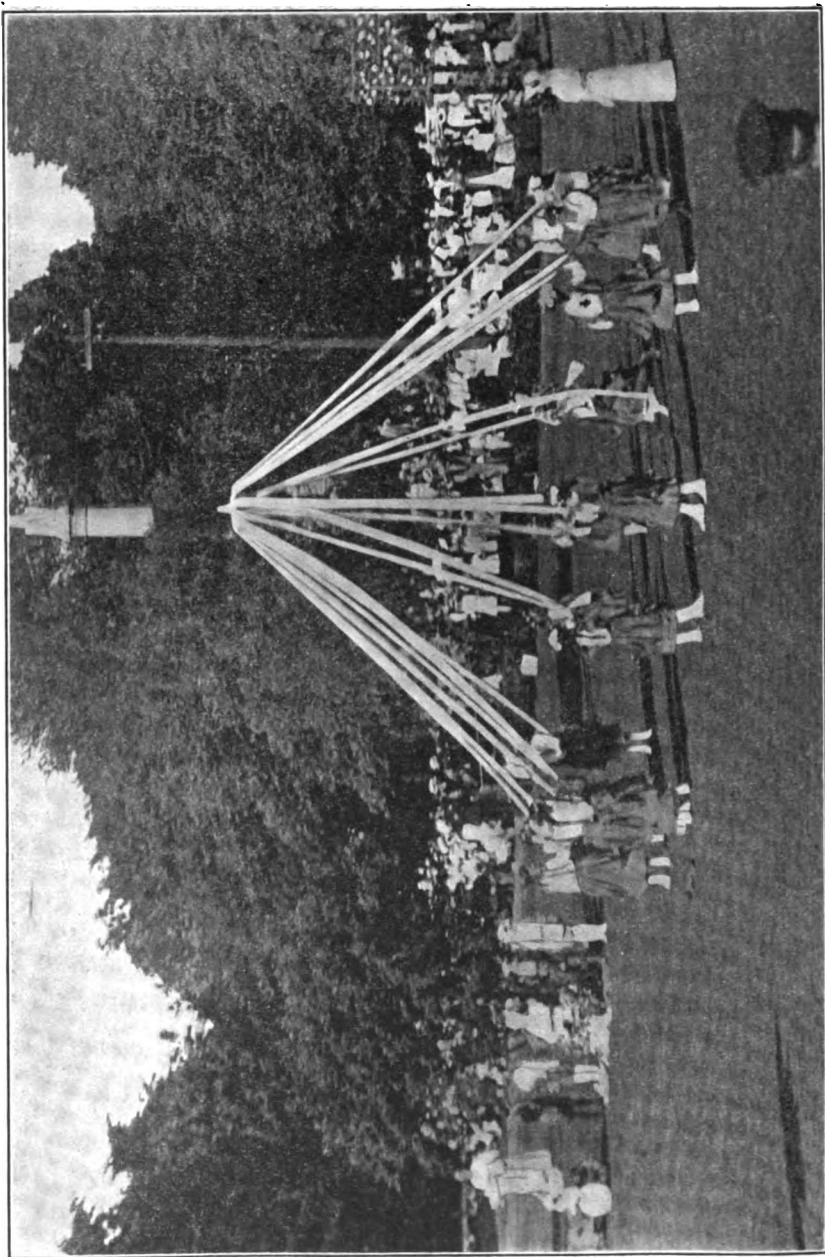


MISS RUTH HAWKINS  
SECRETARY OF THE Y. W. C. A  
IN CHARGE OF PAGEANT.

hoops. Next came the City Association, with its many branches of industry. There were cooks and there were seamstresses. There were milliners wearing their own creations, hats with just that unmistakable Parisian touch, though made of tissue paper. There were factory girls, there were first aid girls, there were girls, girls, girls, of every occupation. Last came the foreign association girls atmospheric and convincing whether in costume of Calcutta or kimono of Japan.

Here and there the procession was interspersed with those rare beings, not to be put into any division. Such was the little May Queen, in her rose-decked chariot, with her four pages. Maud Muller was present, lacking the Judge and the torn brim, but raking busily. Priscilla and Elaine and the gallant Joan, Portia, and Pocahantas, Mother Goose, and the wonderful little spirit of Play were all in that procession. Once, twice, three times around the Common they went. Then the Association Spirit advanced slowly to the center, while the spectators leaned against the prohibitive rope, or, less lucky, tiptoed to watch her every motion. She paused, and stood motionless, making her broad appeal, the Association Spirit, to all the girls, everywhere, of whatever class, or interests. Closing in about her in answer to the invitation, they seated themselves upon the grass, forming the letters Y. W. C. A. The big crowd burst into delighted applause.





MAY-POLE DANCE  
PAGEANT AT COMMON

The play began. An imaginary curtain went up, and the Association in College Life was revealed. Delegations from the various colleges came together to indicate a representative conference. Some carried musical instruments, others satisfied themselves with tennis rackets. Some, with their notebooks, represented the educational side of the universities. Whatever their interests, the Association Spirit has a message for each of them, and the burden of the message is,

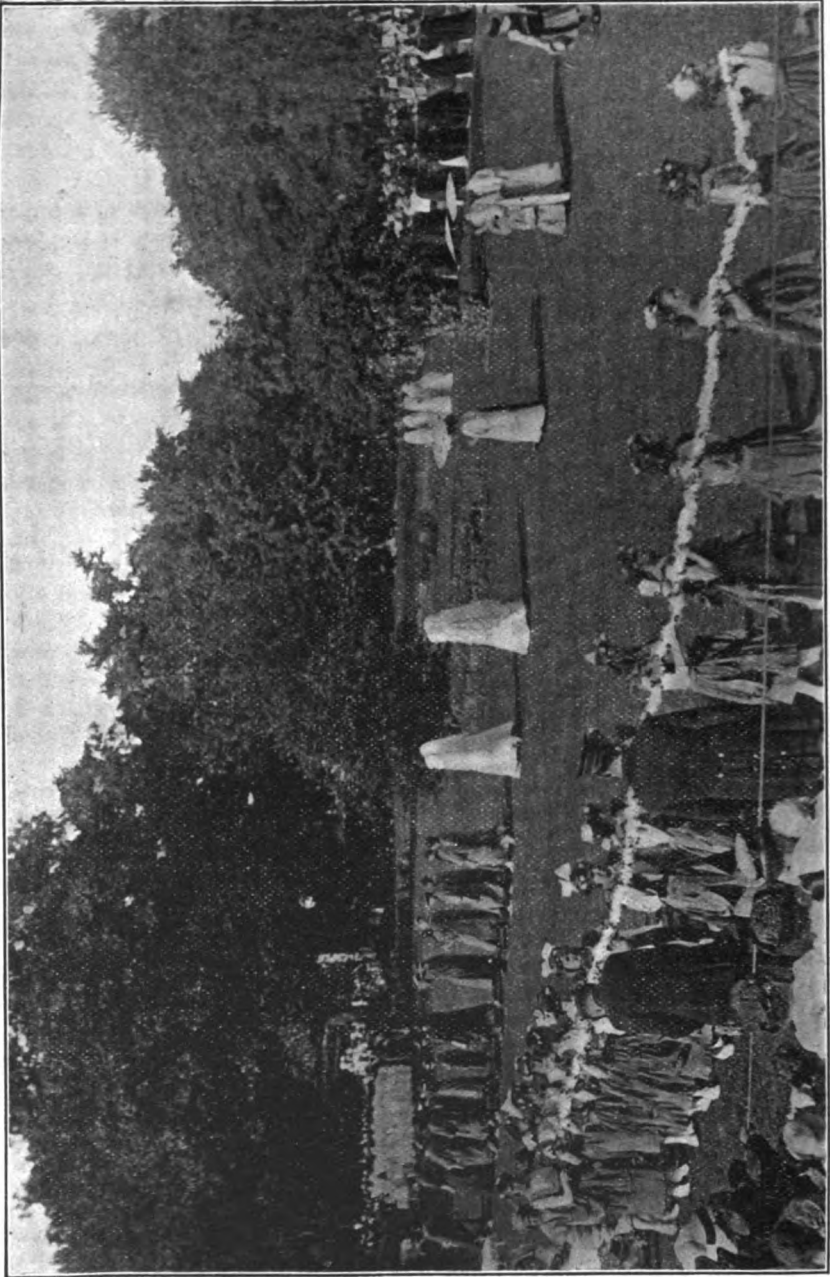
“Even as ye have received  
The gift, so shall ye minister  
The same, one to another.”

Act 2 represented the Association in the Open Country. With joyous horns the couriers summon the rural folk to a Harvest Home festival.

Greeted with glee by the children of the audience, a hay wagon full of country girls and overall boys, drove in. Offerings of apples and flowers, loaves of bread, and jars of cookies were displayed to the Association Spirit and judged acceptable.

“Lord of the harvest it is right and meet  
That we should lay our first-fruits at thy feet  
With joyful Alleluia.”

came the chorus, during the beautiful Maypole dance.



PAGEANT AT COMMON

Act 3 represents the labors of the Association, "where cross the crowded ways of life" in the city. Here meet but refuse to mingle four distinct classes, the laboring girls, the newly arrived immigrants, the women of the leisure class and a sprinkling of college girls.

Finally comes little Pippa, dressed in a gypsy costume of Italian peasant, bringing her beautiful message, "All service ranks the same with God." Humbled, the girls of the four classes join hands "in friendly spirit of sisterhood."

The second episode of the City Association was one of the prettiest of the entire pageant. The Association Spirit calls to the Little Spirit of "Ho Play, Spirit of Play,—  
"I summon thee at my right hand today!"

Play:-

Then the tiny, gleeful spirit beckons the girls of the Association to "strength and growth and joy" in the dances drills and games.

The next scene of the City Association was educational, showing the various branches of household arts. Very trim and pretty were the girls who could "bake you a cake that 'll make you think of home," in their pink or blue dresses, their crisp white aprons, and dainty little caps. The milliners by their own headgear advertised the very latest work in styles., the dressmakers were chic, the First Aid disciples most competent looking.

"Tis merry, merry artisans are we,  
Each in her special line, sir!"

Meanwhile other girls representing more general work enter, stenographers and artists, Maud Mullers and Elaines.

The idea here is that every association girl from Joan of Arc—who was truly association in spirit—to the salad dressing maker, is eager to serve in her own line.

Very quaint and pretty was the next city episode, the Junio. The first part of it represents the sad little children of the City, little cash girls little makers of sweat shop garments, all little laborers under unnatural conditions, children who do not know how to play. All the unspoken summons of the Association Spirit, half a dozen little fairies appear, and beckon the children "To the wonderful land of the young." Here the youngsters are enabled by the Association to have a happy week or two of Camp Fire Life, before they go back to their work. Very pretty was the Indian dance, where blonde Indians and curly haired Indians kept time to the music and joined in the Wohelo song.

"Wohelo for aye,  
Wohelo for work,  
Wohelo for health,  
Wohelo, wohelo, wohelo, for love."

The last scene of the City Association showed the prophets of the Old Testamant awaiting the coming of Christ, while girls in choral robes entered with their Christ-

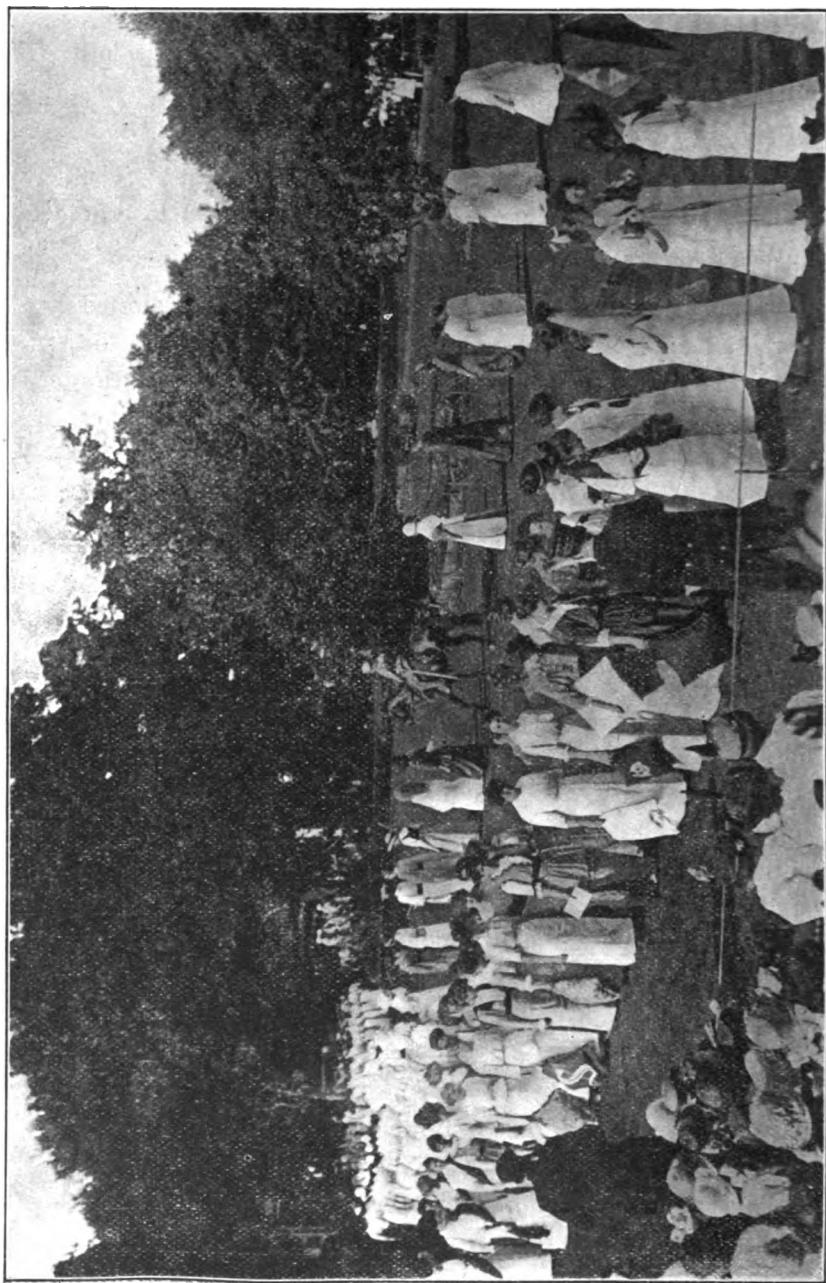
mas robes, and very softly sang "Silent Night". The Association Spirit sends them out into the world to bear the news of the coming of Christ.

Act 4, the Association in Other Lands, demonstrated the advance of the Gospel in foreign countries due to the association. The native costumes of the various countries were very picturesque. The Association Spirit, with her lighter touch, gathered all the girls of all the groups about her, and charged them again in the epilogue to "minister the gift."

"May our devotion sweep from sea to sea,  
Even as we the gift from Thee receiving,  
Joyfully minister that gift to Thee."

sang the girls, before they, led by the Association Spirit filed away.

Too much cannot be said about the admirable execution of the whole plan of the pageant. Not a link was out of place in the whole long chain that went to make the afternoon memorable. Much of the success of the day was due to the unusual ability and the painstaking training of Mrs. James L. Hathaway, who had the entire directing of the pageant in charge. The Association Spirit herself, Miss Ruth Hawkins, has worked tirelessly and with talent, as her part of the program proved. Others deserving special mention are little Phoebe Bowers Goss, the May Queen, with her four little pages, Evelyn Padele, Eva Thaput, Annie Lampara, and Alice Istrass; the charming spirit of the Play, little Gwendolyn Hathaway, and—but the list



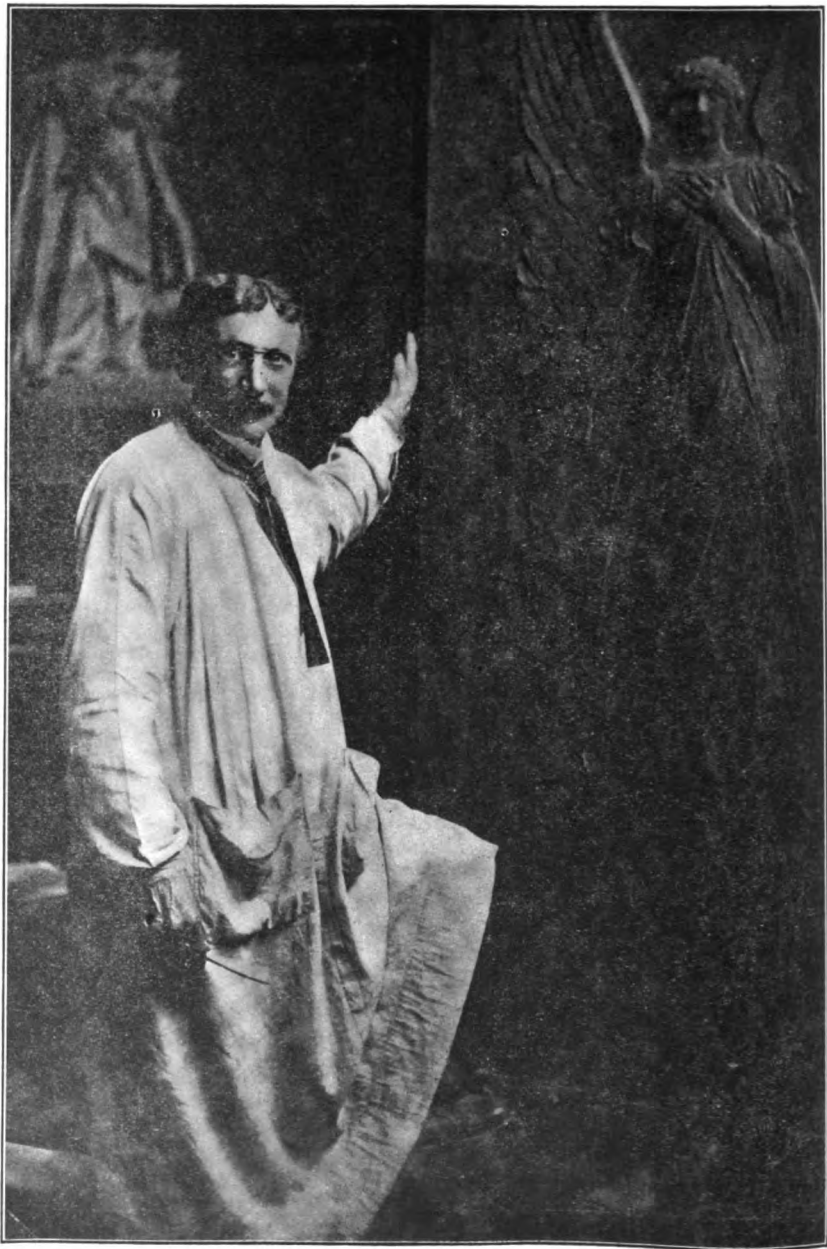
PAGEANT AT COMMON

would swell to take in every performer if all who worked creditably were mentioned. The orchestra did some very clever work with the varied association tunes. Miss Jane Stanton made an especially good Pippa.

Probably the sentiment of the entire audience is best summed up in the words of a man, who, as he turned away, remarked, "Well, William H. Taft can't feel any longer that he's the biggest thing that ever appeared on the New Bedford Common."

The most important feature of the additions to the park system was the splendid monument presented to the City by Mr. George D. Barnard of St. Louis, Mo., to commemorate the change of the City from a whaling town to a manufacturing locality, and after a consultation of the Mayor; Mr. Barnard; the sculptor, (Mr. George Julian Zolnay) and the Park Board, it was decided to locate the monument at Buttonwood Park at the junction of Court and Buttonwood Streets and as it has proved, the selection was an admirable one. On the morning of September 4th, the first stone was laid in the presence of Thomas W. Cook, General Superintendent of Parks, and George H. Nye, City Engineer. The monument was cut by Bottinelli Brothers of Quincy of Fitz-William Stone from the quarries of the Victoria White Granite Company at Keane, N. H. After viewing the complete work, Mr. Zolnay exclaimed, "Now that it is done successfully, I must say that it was a





GEORGE JULIAN ZOLNAY  
SCULPTOR OF BARNARD MONUMENT

1901

great pleasure doing it, but am glad it is done, and only hope I shall be able to get back the sixteen pounds of flesh that I lost while doing it."

To the Keane folks, he said, "I was commissioned by George D. Barnard of St. Louis, a successful capitalist and business man and a native of New Bedford, to make a monument to be erected in one of the parks of that City, which should be typical of her growth and industries. Such is the purpose of the work in hand."

"Art, perhaps more than anything else, must make a lasting record of the civilization of which it is contemporary, continued Mr. Zolnay, "just as the art of Greece and Italy did. The sculptor's efforts in striving to do this are not the expression of himself alone, but of the civilization which surrounds him. Unless able to give this expression to his work, the artist fails in his mission. In the last analysis the triumph of a civilization is its art and by the art of their day all period of history are judged."

The finished monument is 12 feet six inches at the granite base. At this base, the waves of the sea wash the worn rocks, and above stand figures nearly life size, cut in two large blocks, which when set up will be joined as one stone. On one side, the figures typify a whaleman about to go to sea, his eldest son clinging to him as if longing or ex-

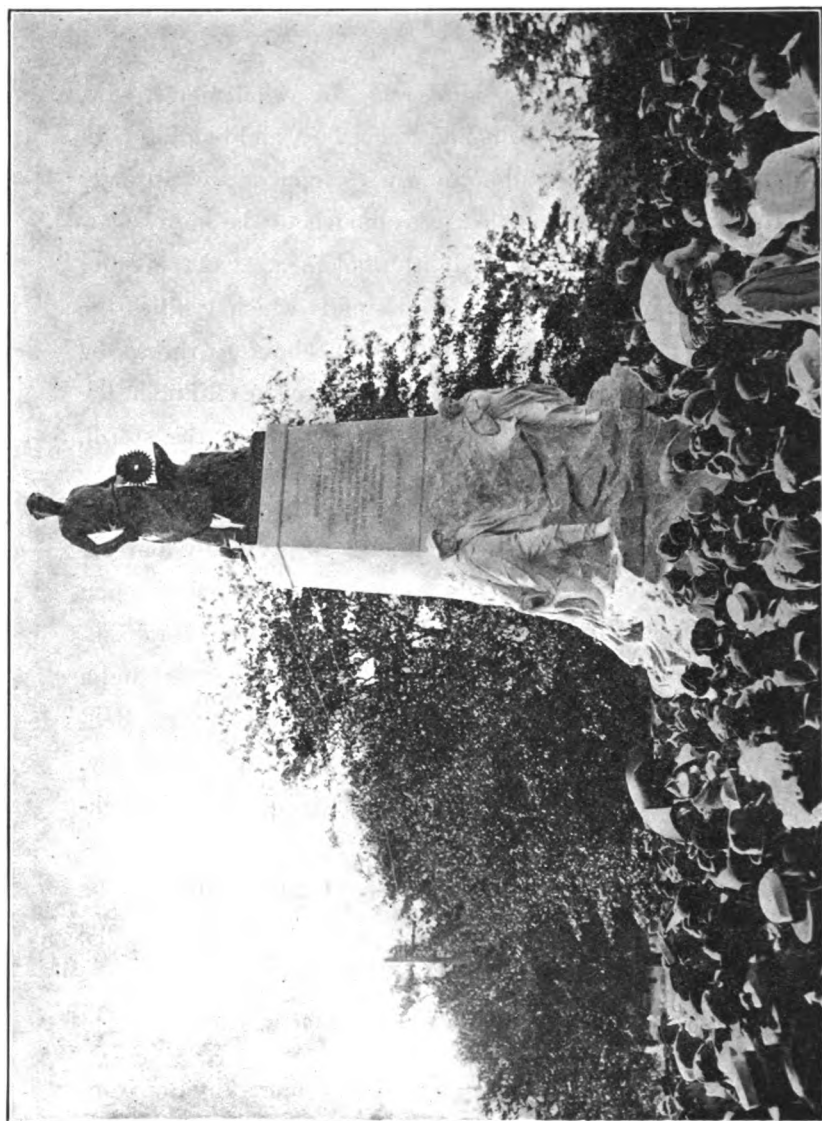


**BARNARD MONUMENT  
BUT TONWOOD PARK**

pecting to accompany him, and the whaleman's wife, her baby in her arms, clinging to her boy, and bidding both good-bye. The features of these figures are strongly chiseled and were modeled from models of the hardy New England stock of New Bedford whalemens. On the other side of the monument, a group stands which typifies the tragedy of the past—the old seaman about to throw the life line, the terrified woman looking from the cliff upon the storm tormented sea, and mistly beyond, in the storm, masts and sails.

Then from this virile beginning, so poetically and yet so powerfully conceived, rises the strong stone shaft upon which New Bedford's modern industrial success is established. The figure above is historic, of bronze, eight feet and a half high. It is a symbolic figure, because in New Bedford are other industries beside the cotton industry. The sculptor, therefore, has chosen the figure which throughout the history of art has indicated mechanical toil, labor among machinery, of whatever kind it may be,—the artisan, with the anvil beside him which symbolizes, in the poetry of sculpture, great givings of strength, muscle-hardening toil, the din of giant achievements.

The anvil should not be seen as a mere anvil of iron; the bevel gear as only a gear of steel; the artisan as only a



UNVEILING OF BARNARD MONUMENT

hammerer of metal; the electric motor as only a motor driving wheels. The anvil has a voice when the artisan hammers upon it, through which sounds the mingled voices of a thousand weavers; the the bevel gear whirls when the great machines are running; the electric motor flashes the spark of modern scientific achievement, driving the wheels of industry. He who asks, "It is only an anvil,—what has an anvil or a bevel gear to do with the cotton mills?" has no spirit of poetry in him, and shows himself incapable of rising to the genius of the sculptor, who thus in so modern a spirit has symbolized in Homeric terms the spirit of New Bedford's greatness.

These dream-conceptions, chiseled in granite and moulded in bronze, will make Buttonwood Park a Mecca of art, and will carry to the children of this generation and to their children's children the fire romantic conception of a great mind of the past and present of the Whaling City.

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#### STATUE UNVEILED.

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#### BARNARD MONUMENT FORMALLY GIVEN TO THE CITY.

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On the Park Band-stand were the Board of Park Commissioners, consisting of Mr. Samuel P. Richmond,

William F. Caswell, Obed C. Nye, William Keith, and Antone L. Sylvia; Mayor Charles S. Ashley; Mr. Barnard and guests; also Mr. Zolnay, the sculptor; and Mr. William W. Crapo. All the arrangements on the part of the park department being under the direction of Thomas W. Cook, General Superintendent of Parks.

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From the Evening Standard:-

"Awaiting the signal to unveil the monument stood two girls, Miss Florence E. Huxford and Miss Rosamond Barney. To the left was the New Bedford High School orchestra. The audience was dotted with the eager faces of school children, and the interested ones of the older people who understood better what the gift means to the City, and what a tribute the sculptor's art has made to the dignity of New Bedford.

The exercises were very simple. William W. Crapo spoke first, as seemed fitting, since he has given to New Bedford the statue which stood for the past of the City, as the Barnard monument represents both its past and its present. The park was very still as Mr. Crapo began saying:-

"The people of New Bedford welcome with unalloyed satisfaction this monument which symbolizes their industrial history. Thanks go out in unlimited measure to the generous donor who brings this magnificent gift to the

home of his boyhood. Prompted by a spirit of adventure, or a desire for larger opportunities, at an early age he went to a distant city and there through diligent and persistent efforts and sagacious foresight he received abundant and well deserved award. Not forgetful of the early scenes and experiences and associates he expresses in this munificent way his remembrance.

The possession of this monument is a precious asset. It is a thing of beauty which is enjoyed in the present and will be admired in future generations. The old and young who come to this park for recreation or sport will gaze upon it with interest and will gain real knowledge of the past. It will remind them of the enterprise and courage and rectitude of the men who lived here and labored here, and it will silently appeal for loyalty to the City and for manly virtue.

"Praise is due to the accomplished sculptor whose genius and inspiration and artistic skill have portrayed on stone and in bronze the events of this locality. He has told of the mariners who toiled on the ocean and of the workmen in shops and factories who toil on land. He has pictured the transformation of a little seaport village into a great manufacturing and commercial city. On massive and enduring blocks of granite are inscriptions which time cannot efface which tell the story of the origin and growth and pros-





MR. BARNARD  
PRESENTING THE MONUMENT TO THE CITY.

perity of this community. And above all and crowning all is the statue which fittingly represents the strength and intelligence and dignity of labor.

"Gratefully we acknowledge this token of affectionate remembrance bestowed by a son of New Bedford. We return kind thoughts and good wishes and the name of George D. Barnard has a place on the list of New Bedford's public benefactors."

Waves of applause swept up to the speakers' stand as George D. Barnard rose for his speech of presentation. Everybody craned to see the man who had given New Bedford a thing of enduring beauty. Mr. Barnard's speech was conversational in style, but highly dramatic as he told of the conception of the statue, and so interesting throughout that not even the little children stirred.

A gratifying moment to both Mr. Barnard and to Sculptor Zolnay must have been that when Mr. Barnard said:-

"To you present I will ask if you do not think the sculptor has done all that he promised he would do?" and the big audience answered his question by applause that was slow to die away.

Mr. Barnard spoke as follows:-

"I am very much pleased at your reference to myself. Your kind expressions and commendations go to my heart and will in years to come, be an additional incentive

for good work; and sir, your own life here has been of much help to your fellowmen. I am sure no better example can be held up to any one than the one you have set up here during your long life.

"Mr. Mayor, and Citizens of New Bedford:

"It affords me much pleasure to meet you here today. The press of this City has been very generous of its space in noticing this monument, its sculptor and myself. From the press and from Mr. Crapo you have learned that I am a native of this City. The Mayor, the Honorable Mr. Ashley, your park Commissioner, Mr. Cook, Superintendent of the City Parks, and Mr. Nye, City Surveyor, have extended many courtesies and I appreciate them, as well as all the kind words said, and I am sure Mr. Zolnay, the sculptor, does too, and we both appreciate the honor you confer by your presence here today.

"It is a good many years since I left here to go out into the world to seek a living, but during all those years I have remembered my native city, retained in my heart warm feelings for those whom I know and fond recollections of localities long since completely changed.

"My memory of the city goes back to the time when it was but a small village, when the business of the City was done along the wharves and on Water and Union Streets,

and on a part of one block on Purchase Street. At that time, the whale and sperm oil business of the entire country was centered here.

"The inhabitants were mostly whalemens, some active, some had retired on their earnings, with a sprinkling of farmers, merchants, and mechanics. All lived the simple life, typical New Englanders. They were strong of body, strong of mind, and strong of feature, as well as of purpose, doing each day their duty toward their neighbor, and their wives were worthy companions, possessing all that went to grace womanhood, and later their savings added to those of their husbands, went into the fund that has built up these factories I find here.

"It was in the family of Captain Joseph Shockley, a retired sea captain, and his wife, the father and mother of Mrs. John F. Hatch, the mother of John F. Hatch Jr., one of your City's former alderman and now a member of your legislature, that I lived for awhile. The example set and precept taught me, by the good captain and his lovable wife, have been of great service to me all through my life and will be until the end.

"A letter from Allen F. Wood, then principal of the Fifth street Grammar school asking a donation to a fund for the decorating with pictures plaques and statues of the

Fifth street Grammar schoolhouse (the school I graduated from about fifty years before ) received one day about three years ago, awakened anew my interest in this City, and it occurred to me that I should like to do something, and after some thought it came to my mind, as Mr. Crapo had donated a statue of the whaleman in action to the City, why not erect a statue that would show the whaler at home and among his neighbors, or a representation of the early New Bedford as I knew it, as well as of the present city i. e., continue the story. With these thoughts in my mind, I phoned a friend asking if we had in St. Louis a sculptor who could do things. That very afternoon my friend called at my office, bringing George J. Zolnay with him, to whom I told that I was a native of New Bedford, a seaport on the New England coast; that I contemplated the erection and presentation to the City of a historical monument. I explained to him the character of the early settlers, how the City was known in all ports of the world, because of the peculiar business its people were engaged in, and of the decline of its great industry, this oil business, and the turning to other lines which had resulted in building a large manufacturing city.

"Mr. Zolnay had been walking my office floor and listening and, I imagine, thinking, for stopping, in front of me he said; 'Out of the sea, out of the sea came all that New

Bedford was, all that it is and all it ever will be. We will show the early settlers of New Bedford as known on shore,—we will station at one corner, on the rocks, overlooking the sea, a representative of those early settlers—we will show him in the very edge of that sea with a life line in his hand, ready to throw to assist some one who is in need; we will show his wife near,—her looks will show her great anxiety and will convince all who look at her face that she will do her duty when the time comes, as she has always done; we will show on one side a ship's captain about going to sea, just leaving his home and taking with him his eldest son, a boy of about thirteen, for in those days, boys began work early and learned to assume responsibilities; we will show the wife and mother and smaller children in the background; all those forms and faces will be strong, denoting intelligence and good health. These figures should surround and support a strong and substantial shaft, on the top of which we will put a bronze figure of a young, stalwart mechanic to typify manufacturing. It can be done and I would like to do it.'

"I told him then and there to begin his work at once. To you present I will ask if you do not think the sculptor has done all he promised he would do.

"While New Bedford has been making the rapid strides it has made, let me tell you something of the other sections

of our great country. In the light of events happening, and what has been done here, and in other places, I sometimes think I must have always lived.

"At the time I left New Bedford, the City may have contained about 16,000 people; now a city probably 120,000. The United States then had a population of thirty million, now over one hundred million. I went west stopping in Chicago, a City then of about 140,000 people, then later to St. Louis, where I have lived for forty-six years. At the time I arrived in Chicago, the railroads had just reached the Mississippi River. My first trip to Omaha and Kansas City was made up and down the Missouri River by boat and I do not imagine either City had 2,000 people at that time. I know there was not a railroad in either town, now railroads span the whole country, north, and south, and east and west. Surely this convinces us all that our Country is a most wonderful one, resources practically unlimited and with the impetus that it has at this time, what will the youth of this City witness during their lives?

"I hope a view of this monument may impress upon the minds of the boys and girls of this City, a reverence for the memory of the early settlers, a spirit of loyalty for the City, for the state, and for the whole of our great country, a love for the good and a determination to do their best all at times and under all circumstances.

"And now, Mr. Mayor, through you who have encouraged Mr. Zolnay, and myself so much in the preparing and placing of this monument, I present it to the City of New Bedford."

After the applause following Mr. Barnard's expression, "I present it to the City of New Bedford", the crowd hardly breathed, as Miss Huxford and Miss Barney dropped the veil revealing for the first time the completed monument. Imposing and grand it stood there before their eyes, that noble symbol in enduring granite and in bronze of the old sea life of New Bedford, and its splendid manufacturing present.

When the demonstrations of the people had a little quieted, Mayor Ashley made his speech of acceptance warmly thanking the "generous and broadminded giver" and the "talented and able man who wrought this work," and very aptly describing the statue as a work of art that "stands for the industry of each—for the united effort of all—for New Bedford genius, enterprise and talent."

The mayor said:

"It is my proud privilege to accept in the people's name this splendid gift which has today been bestowed upon them.

"Our former townsman has not chosen to commemorate the deeds of any individual, but has sought to provide a fitting tribute to the worth of a whole community.



"This memorial is in honor of the City itself—of its remarkable history and conspicuous achievement. It stands for the industry of each, for the united effort of all, for New Bedford genius, enterprise and talent. It is, in the broadest sense, a public monument, dedicated to hardihood, application, foresight, and thrift.

"The notable fact cannot be hidden from attention that our city has twice attained a position of world-wide importance in pursuits differing entirely in nature and wholly unrelated in character.

"The quality of citizenship, creative of such a prominence, has received commendation by word and pen of men eminent in the world and nation.

"To their measure of praise has now been added in enduring sculpture the artistic conception of New Bedford's story.

"At the gateway of the greater City it stands to represent for all time the elements and fibre of manhood worth and fraternal co-operation. Its generous and broad-minded giver the talented and able man who wrought this work are entitled to our warmest thanks.

"Mr. Barnard, the City accepts this statue and for all our people and as their spokesman, I gratefully acknowledge the lasting benefit which has this day been conferred upon us.

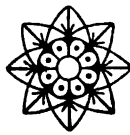
The simple but most effective exercises were concluded by a spirited concert by the High School band, enjoyed to its last moment by the audience, who lingered even after the last note had died away for another look at the monument that so worthily represents the interests of a great City.

Among the number upon the park bandstand were the following:-

Miss Betsey B. Winslow, and Allen F. Wood and Mr. and Mrs. Tully of St. Louis, friends of Mr. Barnard who were with him here."

In order that the view of the monument should not in any way be obstructed or interfered with from any direction, the bandstand which was the nearest structure to it, was moved about five hundred feet to the south, thus giving a complete and unobstructed view from all directions. The City Council appropriated three thousand dollars to properly lay out the grounds immediately surrounding it and leading up to it. A 27 feet circular driveway around it with the paths and roads connecting make a fitting setting for the beautiful structure and as our citizens visit the park and contemplate and enjoy the work of art and the surrounding scenery, they will call to mind the generous donor and with feeling of thankfulness and gratefulness recall to mind the youth who, in his boyhood, called our City

his home, but now in his journey through life another city welcomed him and now claims him as her own, but the memory of his early life and his love for his early home so filled him with the memory of his boyhood life, as to prompt him to demonstrate to his native place the fondness of his recollections of the past, and demonstrate it by the gift of this beautiful monument, and may the name of George D. Barnard ever be held in grateful remembrance by the lovers of our City.



## PLAYGROUNDS.

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We cannot conclude this report without our endorsement of the playground system being adopted, improved and carried out extensively by the park authorities of the country, and therefore, submit a report of one day's experience at Buttonwood Park:-

The Annual field-day celebration of the playground children was observed at Buttonwood Park, Friday, August 21st, and a great gathering of children and teachers from all the playgrounds united under the supervision and direction of Miss Amelia E. Armbruster, General Supervisor of Playgrounds. The festivities were a source of great amusement and unbounded enthusiasm to the multitude of our citizens who flocked to the park to witness the exhibition of playground activities, healthful recreation, and pleasurable amusement afforded our little ones by means of well regulated playgrounds. The following article taken from our daily paper gives the best description of the day's proceedings, and a record of it for park reference in the future with the hope that it may be an inducement for coming park authorities to encourage and foster improvements of a playground nature for the entertainment, pleasure, and healthful recreation for the children of our City.



**MISS AMELIA E. ARMBRUSTER**  
**SUPERVISOR OF PLAYGROUNDS**

## (FROM THE STANDARD)

"As a drawing card, the annual field day of the playgrounds today at Buttonwood Park put it all over the Pied Piper of Hamlin, clever combination rat killer and musician though he was. For 1500 youngsters followed the piping of the field day spirit, 1500 little Gretchens and Mikes and Maries and Vladeslaus and Delorinas. To be sure there were no rats visible, but a number of excited rat terriers supplied that slight omission to a real piper's outfit.

Scheduled to leave their respective playgrounds at 9, the start was delayed more than an hour and a half, because it seemed quite possible that the outing might have to be postponed on account of the threatening weather. Meanwhile, expectant Buttonwood was deserted, except for perhaps 50 youngsters who had come "on their own" and who filled in the slight interval of an unexpected hour or more by boasting of their own playgrounds.

"I bet you Kempton 'll win all the races in a walk."

"Huh! Shows how much you know about it. Guess you never heard of a playground called the Hathaway, did you? Oh, no, of course the Hathaway won't win nothin' it won't! Of course not!"

Then a tall boy in a kind of white overall costume gave exhibitions of his prowess as a jumper, while the others

looked on open mouthed. This was Clinton Hart, to be heard from later in the day.

At last the assembled crowd set up a wild howl, presumably of greeting, that might well have caused any prudent oncomers to halt. Their eyes had caught the long line of the Hathaway playgrounders, with the banner of blue and gold at the head. Followed the red pennant of the Ingraham, the white badge of the Donaghy with its black lettering, and the Knowlton, the Congdon, the Kempton the Lincoln, and finally the Cedar Grove, all following the unseen piper.

It was about this hour of the day, that a stranger in the city paused in what he was saying, and looked about with bewildered gaze.

"Earthquake? Thunder clap? War vessels?" he surmised.

"Field day at Buttonwood", he was assured calmly, and the conversation continued.

The first thing they did was to fling themselves upon the bleachers, just to enjoy the rare sensation of sitting there for nothing. Then they mobbed the boy who was giving away Standard programs and drove him to a platform, from which safer vantage ground he continued his task. Thirdly, being human, they sat down immediately to eat their

lunches, it being their manifest duty to dispose of them at once. It would be an interesting problem to figure out just how long that array of sandwiches and cake, pickles and bananas, would last the German army.

"They sound like a wild west show, with their different banners representing the various tribes" said someone. But he was mistaken. No Wild West Show ever had half the fun those boys and girls were having, and for that matter, none ever made one fourth the noise.

How would you like to be the ice-cream man on field day? His store was besieged by an ardent, thirsting line, that gave place to others when it had been supplied with soda and straws and true happiness. Through the ground were scattered little joint branches of the store, in charge of various excited boys.

"The zigzag and the all-day suckers go best" said Ralph Johnson, at one, but in another Robert Ferguson and Harold Wall said that trade was brisk in crakerjack also.

Here and there through the excited groups went dark-haired, atheletic looking Miss Armbruster, calming and directing them. On the benches sat a number of parents and grown up people who had come to look on. The park policeman went about smiling genially. In fact, everyone grinned as they looked at that juvenile crowd.



Then came the sporting events of the morning. Of course there is a certain mild savor attached to the Harvard and Yale races, and some people go to see the Giants play, and some persons fancy that a contest between two international prize fighter champions is exciting. Compared with the thrills of the finals of field day, these sensations are but tame. First came the 100 dash, open to pupils of the seventh and eighth grades. Turner, of the Hathaway won, with Bourbeau of the Lincoln, a close second, and Menz of the Congdon, in third place. In the fifty yard dash, open to pupils of the Fifth and Sixth Grades, Knowles of the Kempton had first place, Turgeon of the Lincoln stood second, and Blake of the Hathaway came third.

The very thrilling peg race was won by Ward of the Lincoln, Finnerty of the Kempton just behind him, and King of the Knowlton for third.

The running high jump was a tie for both first and second place, Fournier of the Knowlton, and Tripanier of the Ingraham, tying for the first place, and LeMoffe of the Congdon, and Hart of the Hathaway coming in together for the second.

On the running broad jump, Anger of the Lincoln came in first, with a record of 14 feet 8 1/2 inches, Dyer of the Knowlton was not so much behind at 14 feet 3 1/2 inches,

and Staneo of the Kempton, almost toed that mark with his 14 feet 2 1-2 inches.

In the standing hop, skip and a jump, L'Hereux led, at 24 feet 1 inch, Anthony of the Cedar Grove came next, with 21 feet 6 inches, and Alty, of the Kempton held third place, with 20 feet 11 inches.

Amid wild excitement it was announced that the Lincoln playground had won the meet, with 18 points, Lincoln coming in second with 16, and Hathaway third with 6 1-2 points.

Clever work was done by the representatives of each of the playgrounds in the sports, and there was manifested among the playgrounders the real spirit of sportmanship in facing defeat and vitcory. The greatest credit is due Allison R. Dorman, in charge of sports, to Walter J. Goggin, his assistant, and to James Murphy, the starter.

The afternoon was taken up by the folk dances of the girls, in which their splendid drilling was apparant from the first moment. The grass was wet and slippery, but the blithe little dancers never gave it a thought. They had practiced under the diadvantages of havng no music, but this was offset by the fact that many of them had been drilled by real musicians, as Mrs.Kaharl of the Ingraham, and Miss Edith M. Richardson of the Kempton Playground. And the results were beautiful.

First came very little children in their "Bean Porridge Hot" and the Lassies' Dance, greeted both of them with instant and thunderous applause. Perhaps the most

difficult thing done was the "Oxen Dance" with nine different steps in it, and the entire group of intermediate girls went through it faultlessly, not a one of them forgetting the intricate figure. The accompaniments were played by Mrs. Kaharl.

Later in the afternoon the chariot race, the champion Newcomb game and the indoor baseball game for girls occurred."

In conclusion let us hope our merchants will visit our parks more frequently with their families and friends, and as they drive through the gravelled ways consider that home labor which finds employment on our parks is giving greater value to the City's property and bringing joy and health to many whose life would otherwise be under a constant shadow of gloom and discontent, and out of his surplus, perhaps in time, he may do as others have done elsewhere, by giving gifts of lands, statues, fountains, or funds, as did Mr. George D. Barnard who presented the City with a beautiful monument, provide still further means to enable the City of his boyhood or his residence to attain the ideal rank to which every lover of New Bedford would have the City aspire.

Respectfully submitted,

SAMUEL P. RICHMOND, Chairman.  
WILLIAM F. CASWELL, Secretary  
OBED C. NYE,  
WILLIAM KEITH,  
ANTONE L. SYLVIA,

Board of Park Commissioners.

THOMAS W. COOK, General Superintendent.

**FINANCIAL REPORT.**

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New Bedford, Mass.,  
December 1, 1914.

*To the Board of Park Commissioners,*

GENTLEMEN:-The twenty-first annual financial report of the receipts and expenditures of the department of parks for the year ending November 30, 1914, which I now have the honor to submit, contains in detail information regarding the finances of the department, including the receipts, expenses and disbursements of the Park Commission, and affords in this summary, which is given herewith, an opportunity for those who are interested in parks and their management, maintenance and improvement, a correct and well defined explanation of all moneys provided by the tax-payers and expended by the Park Board for park purposes, not only for the past year, but the total amount charged to the department, since the adoption of the park system, is comprehensively made apparent by this report and submitted to our citizens for their consideration

## STATEMENT OF PARK EXPENDITURES

## Comparative Statement.

1892	77,936.87
1893	5,734.79
1894	2,4458.95
1895	21,321.17
1896	10,054.26
1897	14,834.89
1898	20,620.70
1899	18,879.33
1900	20,581.53
1901	51,011.63
1902	43,503.17
1903	42,042.33
1904	44,999.25
1905	20,000.00
1906	15,040.78
1907	24,998.47
1908	24,995.56
1909	25,129.25
1910	33,034.19
1911	39,564.23
1912	48,517.24
1913	45,661.39
1914	42,133.09

\$715,053.07

## Itemized Statement.

1892—1914.

Buttonwood Park ..	220,675.89
Brooklawn Park ..	211,571.52
Common, .....	111,875.27
Marine Park, .....	8,546.16
City Hall, ..	615.25
Triangle Park, .....	1,676.13
Grove Park, .....	17,727.62
Pine Park, .....	632.58
Hazelwood Park, ..	84,804.39
Bridge Approach ..	10,025.15
Office, .....	45,153.83
Ashley Park, .....	1,749.28

\$715,053.07

## FINANCIAL STATEMENT FOR THE YEAR

Dr.		Cr.	
Buttonwood Park,.	14,997.99	Appropriation, . . . .	40,000.00
Brooklawn Park,..	9,986 47	Special Appropria-	
Common,.....	6,353.65	tion .....	3,000.00
Hazelwood Park,..	4,020.00	Sale of milk, poul-	
Grove Park,.....	735.64	try, and eggs,...	177.40
Bridge Approach..	950.97	Sale of old lumber.	12.75
Triangle Park,....	50.00	Cafe privileges ....	175.00
Office,.....	3,289.09		
Ashley Park,.....	1,749.28		
Balance on hand,..	1,232.06		
	<u>\$43,365 15</u>		<u>\$43,365.15</u>

## OFFICE EXPENSES AND MISCELLANEOUS:

Dr.		
Superintendent and Clerk.....	2,584.46	
Telephone.....	76.91	
Supplies.....	93.14	
Annual Report.....	150.63	
Auto Hire .....	114.25	
New Furniture.....	43.00	
Miscellaneous.....	226.70	
	<u>\$3,289.09</u>	
Cr.		
Net Expenditures .....	\$3,289.09	

## MAINTENANCE OF BRIDGE APPROACH.

Dr.

Labor.....	834.75
Dressing.....	19.25
Repairs.....	13.45
Water.....	19.86
Miscellaneous.....	63.66
	<hr/>
	\$950.97

Cr.

Net Expenditures..... \$950.97

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## MAINTENANCE OF GROVE PARK.

Dr.

Labor.....	442.75
Repairs.....	171.10
Water.....	7.54
Vaulting Poles.....	16.00
Oil.....	48.00
Miscellaneous.....	50.25
	<hr/>
	\$735.64

Cr.

Net Expenditures .. \$735.64

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PARK DEPARTMENT

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63

MAINTENANCE OF TRIANGLE PARK.

Dr.

Labor..... \$50.00

Cr.

Net Expenditures ..... \$50.00

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MAINTENANCE OF THE COMMON

Dr.

Assistant Superintendent..... \$1020 25  
Police ..... 1116.00  
Common Laborers ..... 2493.31  
Rent ..... 240.00  
Light ..... 240 12  
Water ..... 486.93  
Seeds ..... 150.75  
Teaming ..... 93.87  
Dressing ..... 29.77  
Coal ..... 89.69  
Repairs ..... 151 44  
Miscellaneous ..... 241.52

\$6353.65

Cr.

Net Expenditures ..... \$6353.65

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MAINTENANCE OF HAZELWOOD PARK.

Dr.

Labor and Keeper ..... \$2178.84  
Telephone ..... 32.00  
Water ..... 76.83  
Repairs ..... 1298.65  
Teaming ..... 142.51  
Lumber ..... 29.59  
Miscellaneous ..... 261.58

\$4020.00

Cr.

Net Expenditures ..... \$4020.00



## MAINTENANCE OF ASHLEY PARK.

Dr.

Labor .....	\$1098.13
Dirt .....	511.88
Seats .....	51.77
Miscellaneous .....	87.50
	<hr/>
	\$1749.28

Cr.

Net Expenditures .....	\$1749.28
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MAINTENANCE OF BROOKLAWN PARK.

Dr.

Assistant Superintendent .....	\$1,020.25
Police .....	1,738.23
Labor .....	3,823.25
Telephone .....	32.00
Food for animals .....	670.66
Teaming .....	233.81
Light, .....	44.50
Repairs .....	863.25
Water .....	938.48
Coal .....	179.70
New Buildings .....	225.46
Lumber .....	13.22
Destroying Brown tail moths .....	25.75
Miscellaneous .....	177.91
	<hr/>
	\$9,986.47

Cr.

Net Expenditures .....	\$9,986.47
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## MAINTENANCE OF BUTTONWOOD PARK.

Dr.

Keeper .....	\$1,020.25
Police .....	1,047.10
Labor .....	5,174.73
Telephone .....	32.00
Food for animals .....	678.24
Lighting .....	201.54
Dressing .....	46.77
Skating .....	355.59
Water .....	104.33
Teaming .....	1,080.40
Repairs .....	644.87
Lawn Mower .....	66.50
New Roadway .....	1,738.64
Coal .....	27.56
Animals .....	60.00
Miscellaneous .....	582.40
Barnard Monument,	
Labor .....	852.24
Curbing .....	900.00
Driveway .....	151.51
Misc. Bills .....	233.32
	<hr/>
	\$14,997.79

Cr.

Net Expenditures..... \$14,997.79

MONTHLY EXPENDITURES, MATERIALS  
AND SUPPLIES.

1913.	December .....	\$572.41
1914.	January .....	998.18
	February .....	659.17
	March .....	320.00
	April .....	1,407.81
	May .....	1,204.74
	June .....	831.56
	July .....	2,797.61
	August .....	812.67
	September .....	2,560.36
	October .....	633.68
	November .....	1,605.53
		<hr/>
		\$14 403.72

## PAY ROLL.

1913.		
December	1, 2, 3, 4.....	1,146.23
1914.		
January	5, 6, 7, 8, 9.....	1,645.65
February	10 11, 12, 13.....	1,198.54
March	14, 15, 16, 17.....	1,138.96
April	18, 19, 20, 21.....	1,799.94
May	22, 23, 24, 25, 26.....	2,625.14
June	27, 28, 29, 30.....	2,540.14
July	31, 32, 33, 34.....	3,253.55
August,	35, 36, 37, 38, 39.....	3,440.14
September	40, 41, 42, 43.....	2,586.14
October	44, 45, 46, 47, 48.....	2,281.61
November	49, 50, 51, 52.....	1,543.30
December	53.....	392.96
		<hr/>
		\$25,592.30

Respectfully submitted,

THOMAS W. COOK,

Clerk.

ANNUAL REPORT  
BOARD OF PARK COMMISSIONERS  
FOR THE YEAR 1914.

IN BOARD OF ALDERMEN,

February 11, 1915.

Received, placed on file, ordered printed in City Documents, and sent down for concurrence.

W. H. B. REMINGTON,

City Clerk.

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IN COMMON COUNCIL.

Feb. 1, 1915.

Concurred.

CHARLES P. SAWYER,

Clerk.



**ANNUAL REPORT**

**OF THE**

**CHIEF OF POLICE**

**OF THE**

**CITY OF NEW BEDFORD**

**For the Year Ending December 31, 1914**

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**New Bedford :**  
**The Mercury Publishing Co., Printers**  
**1915**



# Annual Report

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NEW BEDFORD, MASS.,  
January 20, 1915.

*To His Honor the Mayor, and Gentlemen of the City Council:*

GENTLEMEN:—I have the honor to herewith submit the annual report of the condition and doings of the Police Department for the year ending December 31, 1914.

This department consists of the following:

Chief,	1	Emergency Officer,	1
Deputy Chief,	1	Wagonmen,	3
Captains,	2	Chauffeurs,	5
Inspectors,	3	Housekeepers,	12
Lieutenants,	10	Matron,	1
Sergeants,	6	Janitors,	2
Acting Clerk,	1	Laborer,	1
Patrolmen,	120		

Number of arrests during the year, 4042.

	Arrests by months.	Males.	Females.
January,	279	249	30
February,	276	254	22
March,	292	273	19
April,	262	246	16
May,	349	310	39
June,	371	325	46
July,	331	305	26
August,	427	382	45
September,	412	365	47
October,	401	362	39
November,	278	248	30
December,	364	324	40
	<hr/> 4042	<hr/> 3643	<hr/> 399



## POLICE REPORT.

ARRESTS OF—		Arrests in 1909,	
Americans,	1,618	" 1910,	2,293
Foreigners,	2,424	" 1911,	3,542
Non-residents,	744	" 1912,	3,439
Minors,	350	" 1913,	3,554
Commitments,	708	" 1914,	3,847
On Warrants,	847		4,042

## NATIVITY OF PRISONERS.

United States,	1,618	Ireland,	302
Africa,	1	Italy,	40
Albania,	16	Madagascar,	1
Austria,	61	Madeira,	50
Azores,	277	Mexico,	1
Belgium,	2	Norway,	8
Bohemia,	6	Philippine Islands,	1
British Provinces,	74	Poland,	172
Canada,	467	Portugal,	120
Cape de Verde Islands,	136	Russia,	60
Chile,	2	Scotland,	43
China,	37	South America,	1
Denmark,	3	Spain,	2
England,	430	St. Helena,	1
Finland,	5	Sweedon,	18
France,	7	Syria,	14
Germany,	29	Turkey,	3
Greece,	24	Wales,	2
Holland,	1	West Indies,	7

## OFFENCES.

Abandonment,	1
Adultery,	9
Arson,	1
Assault,	68
Assault on officer,	3
Assault and battery,	181
Assault felonious,	13
Assault with weapon,	8
Assault to rape,	3
Attempt to break and enter,	5
Attempt to commit arson,	1
Attempted larceny from the person,	1
Bastardy,	1

Begging,	4
Breaking and entering and larceny,	69
Being present at gaming,	70
Breaking glass,	3
Carrying a weapon,	14
Contempt of Court,	25
Cruelty to animals,	9
Concealing leased property,	3
Concealing personal property,	2
Delinquents,	110
Desertion,	14
Disturbing the peace,	191
Drunkenness,	2,426
Defrauding board bill,	1
Disturbing an assembly of people,	2
Deserter from the navy,	1
Disorderly conduct on public street,	6
Exhibiting minors on the stage, under 15 years of age,	4
Escaped prisoner,	1
Exploding a fire cracker more than two inches long,	1
Fornication,	4
Forgery,	5
Fraudulently procuring entertainment,	1
Fugitive from justice,	2
Failure to attend evening school,	1
Fraudulent hiring a horse,	1
Gaming,	1
Gambling,	3
Having in possession a quantity of cocaine,	4
Having in possession a quantity of morphine,	1
Interfering with officer,	4
Idle and disorderly,	59
Insane,	7
Illegally practicing medicine,	1
Indecent exposure,	6
Illegal sales at auction,	1
Illegal use of milk bottles,	1
Injury to a shade tree,	3
Keeping liquor nuisance,	2
Keeping common nuisance,	4
Keeping disorderly house,	31

## POLICE REPORT.

Keeping liquor with intent to sell,	4
Keeping a gaming house,	4
Keeping an unlicensed dog,	2
Keeping a dangerous dog,	1
Larceny,	175
Larceny from the person,	1
Lewd and lascivious cohabitation,	13
Lewdness,	2
Libel,	1
Manslaughter,	1
Mayhem,	1
Murder,	3
Neglect of family,	172
Neglect of child,	3
Neglected children,	20
Night walking,	20
Polygamy,	3
Profanity,	1
Promoting a lottery,	1
Promoting a game of chance,	2
Purchasing junk from a minor,	1
Peddling without a license,	3
Rape,	3
Receiving stolen goods,	10
Runaway boys,	2
Robbery,	5
Stubbornness,	4
Surrendered by Probation Officer,	11
Surrendered by bondsman,	6
Stealing a ride,	3
Storing dynamite in a building without a license,	3
Threats,	15
Trespass,	3
Vagabonds,	3
Vagrants,	36
Violation of the illegitimate children act,	35
Violation of the moving picture law,	1
Violation of the automobile law,	27
Violation of the City Ordinances,	10
Violation of the fishery laws,	14
Violation of the oleomargarine law,	5
Violation of the labor law,	1
Violation of the health law,	1

POLICE REPORT.

7

Violation of the cemetery rules,	4
Violation of the milk laws,	5
Violation of the slaughter law,	1
Violation of the weekly payment of wages law,	2
Violation of parole,	2
White slavery,	3
	<hr/>
	4,042

PRIMARY DISPOSITION OF CASES.

Placed on file,	1,578
Sentenced to various penal institutions,	651
Fined,	468
Continued,	642
Released by order of the Court,	439
Bailed and defaulted,	24
Bailed to appear out of town,	4
Bailed to appear at Superior Court,	4
Not guilty,	73
Probably guilty,	44
Probable cause not shown and discharged,	1
Bonded to keep the peace,	6
Nolle prossed,	28
Insane hospitals,	7
Insane and not arraigned,	1
Complaints dismissed,	8
Summons for out of town,	10
Delivered to out of town officers,	38
Delivered to keeper of jail,	2
Delivered to State Board of Charity,	6
Delivered to Superior Court,	4
Delivered to U. S. Navy,	1
Default removed,	1
Died in cell,	1
Sent to Almshouse,	1
	<hr/>
	4,042
Paid fines,	218
Appealed,	111
Sentence suspended,	252

## POLICE REPORT.

## MISCELLANEOUS BUSINESS.

Accidents,	2
Amount of property stolen in this city,	\$16,517.27
Amount of property recovered,	\$18,654.21
Animals impounded,	3
Ambulance calls,	866
Buildings found open and secured,	617
Bicycles found,	41
Cases investigated,	28,055
Dangerous buildings reported,	7
Dangerous dogs reported,	3
Dangerous wires reported,	25
Defective streets and sidewalks,	128
Defective hydrants,	2
Defective water pipes,	1
Dead bodies found,	4
Disturbances suppressed,	1,480
Dog notices served,	13
Dogs killed,	25
Fire alarms given,	3
Fire extinguished without alarm,	26
Intoxicated persons helped home,	10
Lost children found and returned,	462
Liquor search warrants served,	10
Notices served,	452
Still fire alarms given,	3
Street obstructions reported,	43
Street obstructions removed,	21
Stray teams picked up,	21
Stray teams put up,	24
Sick and injured persons assisted,	15
Water running to waste,	9
Horses found cast,	10
Horses shot,	7
Hours of extra duty,	2,995

## INSPECTORS' DEPARTMENT.

Amount of property recovered,	\$9,362.21
Number of arrests,	427
Cases investigated,	3,010
Notices served,	447
Search warrants served,	4

**POLICE REPORT.**

**9**

**MATRON'S REPORT.**

<b>Prisoners,</b>	<b>333</b>
<b>Lodgers,</b>	<b>10</b>
<b>Lost children,</b>	<b>2</b>
<b>Insane,</b>	<b>11</b>

**MRS. SARAH M. BROWNELL,**

**Matron.**

PERSONNEL OF THE FORCE.

---

## CHIEF:

TIMOTHY C. ALLEN

## DEPUTY CHIEF:

JOHN C. PARKER

## CAPTAINS:

ARTHUR H. JONES

THOMAS J. TAFT

## INSPECTORS:

WALTER ALMOND

GEORGE R. LAWRENCE

FRANK W. SYLVIA

## LIEUTENANTS:

LEMUEL D. ADAMS

JEREMIAH McCARTHY

DANIEL DENEEN

WILLIAM E. ROSCOE

THOMAS FAY

HARRY D. STOW

WILLIAM FOWLER

WILLIS C. UNDERWOOD

CHARLES L. McBAY

JOSEPH B. WING

## ACTING CLERK:

ALBERT E. MOSHER

## SERGEANTS:

NARCISSE A. BREAUT

FRANK L. REMINGTON

EDWARD P. DOHERTY

JAMES W. SAVAGE

SAMUEL D. McLEOD

CHESTER L. TRIPP

## POLICE MATRON:

SARAH M. BROWNELL

PATROLMEN :	Age.	Years of Service.
Aillery, Constance	42	5
Allen, Charles E.	46	11
Almond, William, Jr.	42	19
Barbour, Robert L.	37	5
Boehler, Max F.	30	1
Bolton, James E.	36	1
Breault, Joseph A.	40	1
Briggs, Myron S. A.	40	3
Brightman, Ellery E.	46	8
Brophy, Edward O.	29	3
Butts, Henry	30	7
Cash, James	41	3
Caswell, Charles A.	50	9
Chase, Raymond	39	3
Cleary, William E.	36	8
Cole, William T.	45	18
Craft, James F.	51	10
Crapo, Albert A.	37	10
Cushing, William S.	44	10
Dahoney, Thomas	56	24
Daley, Charles F.	50	10
Deane, James	43	5
Doherty, Thomas	39	1
Downey, Daniel	45	9
Downey, John B.	29	1
Downey, William M.	38	3
Dupuis, Patrick H.	29	3
Dupuis, Wilfred H.	35	10
Durant, Lawrence J.	46	12
Earley, Edward C.	47	18
Ellis, Harry C.	39	8
Evans, John	38	3
Fanning, John F.	38	5
Fay, John H.	35	8
Fell, Charles	29	1
Fernandes, Joseph A.	28	3
Foley, Edmund	46	21
Francis, Antone	35	1
Freitas, Manuel	36	5
Gatenby, James S.	42	5
Gibbs, Nathaniel F.	46	12



Glennon, William F.	42	7
Gorner, Arthur	31	1
Grant, George P.	38	7
Gregory, William	43	3
Hafford, Stephen, Jr.	57	15
Haggerty, Timothy F.	32	1
Haran, Luke T.	34	5
Haran, John F.	35	1
Harding, James P.	42	7
Harrington, Daniel	48	12
Hayden, Abram L.	42	10
Head, Edgar E.	37	7
Hickey, William B.	32	1
Holloway, Arod B.	52	12
Horton, Eliphalet H.	50	10
Howland, William A. E.	47	18
Hynes, Edward A.	41	9
Irwin, Henry, Jr.	44	5
Ivey, James A.	59	24
Jacobs, Ellsworth C.	39	3
Jenkins, Thomas J.	28	1
Johnson, Harry,	37	5
Karcher, Frederick, Jr.	54	12
Lamothe, Benjamin	40	8
Leahy, William T.	39	7
Lentz, Joseph A.	30	1
Lowther, George H.	56	18
MacKinstry, Albert B.	35	9
Manning, Joseph S.	35	7
McCarty, William H.	29	1
McCrohan, John H.	31	3
McDonald, Daniel J.	52	18
McEnnis, Robert B.	58	20
McGoff, James E.	38	3
McKay, John T.	32	5
Miller, John J.	40	7
Mitchell, William	35	7
Moore, James J.	44	7
Mullins, Enoch	47	5
Murdy, Robert H.	47	10
Murphy, Edward	32	3
Murphy, Francis A.	37	5
Murphy, Lawrence	40	1
Nault, Joseph	30	5

## POLICE REPORT.

13

Neagus, Melvin E.	32	1
Nelson, Ivar V.	31	1
Oliver, John F.	50	21
Phinney, Charles E.	43	7
Pieraccini, Raphael	34	5
Place, Joseph A.	51	8
Pollock, John H.	28	1
Prifogle, Edward	37	3
Raymond, Edward	39	7
Raymond, Hiram E.	61	22
Rooks, Albert H.	48	12
Sanders, Joseph A.	31	3
Searell, William E.	44	3
Sherman, George A.	36	7
Smith, Charles F.	58	20
Souza, William H.	44	1
Spooner, John C.	41	12
Staples, Walter C.	42	1
Sullivan, James H.	50	14
Sullivan, Matthew	41	7
Sundin, Carl A.	35	5
Sweeney, Daniel P.	52	24
Sylvia, Antone F.	42	7
Taber, Jeremiah M.	57	19
Touchette, Hermes	37	7
Velho, Augustine F.	33	5
Vogel, Robert F.	48	18
Welsh, William	43	12
White, Albert B.	35	7
Winterson, Henry B.	30	1
Wilcox, Seth A.	44	10
Williams, Benjamin. F., Jr.	42	7
Williams, Charles H.	40	7
Wixon, James A.	74	43
Woolfenden, Albert	36	5

## EMERGENCY OFFICER:

Kennedy, Patrick	80	30
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## WAGONMEN:

Paige, George W.	68	33
Meade, James	40	8
Nickerson, Charles F.	41	14

## POLICE REPORT.

## CHAUFFEURS:

Ashley, Henry T.	38	10
Dalbec, Edmund	37	6
Patterson, Charles G.	36	7
Ryan, William M.	47	18
Turgeon, Joseph V.	31	5

## HOUSEKEEPERS:

Aldrich, Oscar F.	65	19
Arnett, James W.	75	37
Astley, Thomas	49	8
Cannavan, Patrick	78	46
Dodds, James	61	22
Humphrey, Daniel J.	73	36
Kenney, Patrick	60	19
Meehan, Daniel	67	17
Rooks, John C.	57	28
Smith, Andrew J.	71	21
Sullivan, Timothy	67	39
Wilson, Thomas H.	78	28

## PENSIONED UNDER VETERAN ACT:

Clough, George H.	67	17
Comstock, Thomas W.	71	37
Eldridge, Washington A.	71	33
Mason, Henry W.	75	17

## JANITORS:

Allen, Charles G.	46	4
Drew, Moses C.	70	25

## LABORER:

Atwood, William W.

## RESERVE POLICE:

	Date of Appointment.
Benoit, William R.	Dec. 24, 1913
Bourgeois, Albini	" "
Burke, John E.	Feb. 10, 1910
Chausse, Onat A.	Jan. 17, 1912
Davies, John W.	Dec. 23, 1911

DeGrasse, Charles H.	Dec. 24, 1913
Dupuis, Bernard	" "
Downey, Stephen P.	Dec. 23, 1911
Fay, Miles L.	Dec. 23, 1909
Faunce, Albert M.	Jan. 17, 1912
Gobiel, Joseph	Dec. 24, 1913
Howes, Charles M.	" "
Kane, John	" "
Kelley, Michael J.	" "
Kinney, William E.	" "
Kinney, John R.	" "
Lemaire, Anthony C.	" "
Marder, James	" "
McDonald, William F.	Feb. 10, 1910
McDonnell, James	Dec. 27, 1907
Mott, Cassius B.	Dec. 24, 1914
Muldoon, Thomas	" "
Parkinson, John	" "
Perry, Anthony E.	" "
Reddy, Michael J.	" "
Seddon, Thomas, Jr.	" "
Stanley, Charles A.	" "
Turgeon, Francois X.	Dec. 23, 1909
Vincent, Charles H.	Dec. 23, 1911
Walsh, John P.	Dec. 24, 1913
Walsh, William P.	" "
Wooley, Thomas	Dec. 23, 1911

#### RETIRED ON HALF PAY.

Henry W. Mason.  
 Thomas W. Comstock.  
 George H. Clough.  
 Washington A. Eldridge.

#### **In Memoriam.**

GEORGE F. WINSLOW,  
 Died Dec. 6, 1914. Age 77 years.

Respectfully submitted,  
 TIMOTHY C. ALLEN,  
 Chief of Police.

ANNUAL REPORT  
OF THE  
CHIEF OF POLICE FOR THE YEAR 1914.

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CITY OF NEW BEDFORD,  
IN BOARD OF ALDERMEN,  
March 3, 1915.

Received, placed on file, ordered printed in the City  
Documents and sent down for concurrence.

W. H. B. REMINGTON, City Clerk.

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IN COMMON COUNCIL,  
March 3, 1915.

Concurred.

CHARLES P. SAWYER, Clerk.

ANNUAL REPORT  
OF THE  
BOARD OF OVERSEERS  
OF THE POOR

OF THE  
CITY OF NEW BEDFORD

For the Year 1914



MERCURY PUBLISHING COMPANY,  
NEW BEDFORD, MASS.  
1915,

**MEMBERS OF THE BOARD.****1914.**

---

MANUEL A. ANDREWS, Chairman.  
J. CLIFFORD SHERMAN, Secretary.  
STANISLAUS DESAUTELS.

**OVERSEERS OF THE POOR**

**MEMBERS OF THE BOARD.**

**Appointed Jan. 19, 1915.**

---

ULRIC E. COLLETTE, Chairman.  
CHARLES E. VAUGHAN,  
ANTONIO A. FERNANDES.



OVERSEERS OF THE POOR  
**OFFICERS OF THE BOARD.**  
1914.

---

MANUEL A. ANDREWS,  
Chairman.

J. CLIFFORD SHERMAN,  
Secretary.

ANTONE H. SENNA,  
Visitor and Portuguese Interpreter.

JOSEPH A. DESJARDINS,  
Clerk and French Interpreter.

LUCY E. BROADBENT,  
Stenographer.

STANISLAS A. LAMOUREUX, M. D.,  
Physician to the North District.

ARTHUR L. BRUNNELLE, M. D.,  
Physician to the North District.  
Appointed Oct. 1st, 1914.

CLARENCE E. BURT, M. D.,  
Physician to the South District.

EDWARD T. TUCKER, M. D.,  
Physician at Almshouse.

THOMAS F. BROWN,  
Superintendent of Almshouse.

KATHERINE E. BROWN,  
Matron of Almshouse.

REV. CHARLES S. THURBER,  
Chaplain of Almshouse.

JOHN E. DYER,  
Keeper of Wood and Coal Yard.  
Discontinued June 30th, 1914.

**OFFICERS OF THE BOARD.**

**1915**

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**ULRIC E. COLLETTE,**

Chairman.

Appointed Jan. 19, 1915.

**DOUGLAS L. McGEE,**

Secretary.

Appointed Jan. 20, 1915.

**ANTONE H. SENNA,**

Visitor and Portuguese Interpreter.

**JOSEPH H. DESJARDINS,**

Clerk and French Interpreter.

**LUCY E. BROADBENT,**

Stenographer.

**ARTHUR L. BRUNELLE, M. D.,**

Physician to the North District.

**CLARENCE E. BURT, M. D.,**

Physician to the South District.

From Dec. 1st, 1913, to Mar. 14th, 1915.

**JOHN M. SALLES, M. D.,**

Physician to the South District.

From Mar. 15th, 1915, to Mar. 23rd, 1915.

**LOUIS A. PERRAS, M. D.,**

Physician to the South District.

Appointed Mar. 22nd, 1915.

**HARRY L. STEVENS, M. D.,**

Physician to the Center District.

Appointed Mar. 22nd, 1915.

**EDWARD T. TUCKER, M. D.,**

Physician at the Almshouse.

**THOMAS F. BROWN,**

Superintendent of Almshouse.

**KATHERINE E. BROWN,**

Matron of Almshouse.

**REV. CHARLES S. THURBER,**

Chaplain of Almshouse.

**Overseers of the Poor  
CITY OF NEW BEDFORD.**

OFFICE OF THE OVERSEERS OF THE POOR.  
Municipal Building,  
New Bedford, April 6th, 1915.

*To His Honor the Mayor and City Council:*

GENTLEMEN:—We submit herewith the annual report of the Board of Overseers of the Poor for the year ending Nov. 30, 1914.

These figures are taken entirely from the records of the department as found by this board.

The appended itemized tables under the several heads give full particulars as to the amount expended for each division.

Respectfully submitted,

ULRIC E. COLLETTE, Chairman.  
CHARLES E. VAUGHAN.  
ANTONIO A. FERNANDES.

Overseers of the Poor.

Douglas L. McGee, Sec'y.

## FINANCIAL STATEMENT.

## DR.

To amount of appropriation,	\$85,000.00
Received from State for support of paupers,	5,791.60
Received from State for aiding Mothers,	1,828.41
Received from Cities and Towns	6,225.28
Received from individuals and societies	1,305.20
Received from sale of produce and stock	1,356.37
Received from Soldier's Relief	526.28
	<u>\$102,033.14</u>

## CR.

MONTHS	Outside Relief	State Institu'ns	Cities and Towns	Almshouse	TOTALS
1913, December	\$4,999.31	\$216.57	\$151.53	\$3,214.09	\$8,581.50
1914, January	5,204.15	121.86	645.28	3,658.05	9,629.34
February	5,677.28		340.95	2,977.08	8,994.71
March	5,427.00	222.58	258.14	3,438.13	9,345.85
April	5,014.78	107.80	342.80	3,506.86	8,972.24
May	4,939.50	26.00	182.99	3,190.54	8,339.03
June	4,836.66	210.28	77.86	2,802.56	7,927.36
July	4,758.04	74.93	487.40	3,262.25	8,582.62
August	4,766.99		119.70	2,780.59	7,667.28
September	5,356.47	95.72	400.31	3,241.19	9,093.69
October	5,098.75	46.00	230.30	3,004.85	8,379.90
November	6,786.71	5.71	492.15	3,769.79	11,054.36
Totals	\$62,865.64	\$1,127.45	\$3,728.81	\$38,845.98	\$106,567.88

Expended over appropriation \$21,567.88.

## EXPENDITURE IN DETAIL FOR OUTSIDE RELIEF, DEC. 1913, DEC. 1914.

State Institutions	Cities and Towns	Groceries	Cash Orders	Salaries and Traveling Expenses	Physicians and Medicines	Burials	Boots, Shoes and Clothing	Transport- ation and Expressing	Horse, Hire and Hacking	Office Ex- pense and Furniture	Hospital Charges	Board out- side of Almshouse	Stationery and Printing	Wood and Coal	Miscellane- ous	Milk	Totals
913 \$216.57	\$151.53	\$1,989.25	\$794.75	\$517.67	\$353.60	\$46.00	\$38.25	\$44.00		\$55.15	\$614.65	\$117.00	\$14.50	\$390.32	\$24.17		\$5,367.41
dec. 121.86	645.28	2,123.50	671.25	437.08	396.21	238.00	78.77	20.00		44.63	397.05		10.74	776.92	10.00		5,971.29
914 an.																	
feb.	340.35	2,595.25	710.00	456.37	202.95	53.00	78.85	55.00	\$5.45	29.46	764.95		51.15	650.27	\$24.58		6,017.63
March	258.14	2,393.67	890.00	440.76	292.20	261.00	72.85	50.00		26.07	396.10		27.36	558.67	18.32		5,907.72
April	342.80	2,150.00	814.00	531.35	444.25	105.00	79.34	35.25		47.30	454.10	145.00	41.50	148.70	18.99		5,465.38
May	182.99	2,155.50	782.50	602.65	284.45	112.00	56.50	61.00	10.50	22.23	531.52	24.77	41.50	235.25	19.13		5,148.49
June	77.86	2,067.75	1,008.50	444.12	282.05	191.00	13.25	34.25		13.04	487.34	96.00	24.87	174.49			5,124.80
July	487.40	2,134.17	937.50	533.25	292.70	318.00	45.10	46.00	3.50	24.64	305.75	7.00	23.08	87.36			5,320.37
Aug.	119.70	2,125.50	922.50	447.87	339.50	94.00	18.60	35.57	3.50	11.29	669.43	3.00	14.00	78.00	4.23		4,886.69
Sept.	400.31	2,272.07	1,254.65	552.02	214.83	166.00	45.69	60.00	5.50	25.97	466.97	123.23	53.25	116.29			5,852.50
Oct.	230.30	2,432.44	1,074.50	451.33	373.75	202.00	53.93	15.00	6.00	18.65	333.95		29.25	107.95			5,375.05
Nov.	492.15	2,710.24	1,451.00	542.91	361.99	95.00	64.00	107.25	*	32.15	489.55	105.78	18.10	808.74			7,284.57
Totals	\$1,127.45	\$3,728.81	\$27,149.34	\$11,311.15	\$5,957.38	\$3,838.48	\$1,881.00	\$645.13	\$563.32	\$34.45	\$850.58	\$5,911.36	\$621.78	\$349.30	\$4,132.95	\$85.25	\$67,721.90

# EXPENDITURE AT ALMSHOUSE, DEC. 1913, DEC. 1914.

Months	Flour and Grain	Dry Goods and Clothing	Beef and Fish	Groceries	Shoes, Hats and Leather	Furniture & Crockery	Hardwear	Fuel	Repairs on Premises	Carriage repairs, Blacksmithing	Supt. Labor and Nursing (Mo. Sal's)	Medicines	Oils, Paints and Soap	Dressing, Ice and Tobacco	Telephone & Lighting	Various Supplies and Water Rates	Totals
1913																	
Dec. 1914	\$152.20	\$34.85	\$455.63	333.27	\$12.75	\$60.39	\$24.50	\$399.96	\$144.27	\$39.70	\$1,312.55	\$53.35	\$60.46	\$42.21	\$75.09	\$12.91	\$3,214.09
Jan.	156.28	199.42	469.58	825.62	13.42	18.00	33.07	422.90	112.51	25.92	1,088.30	62.35	4.12	50.39	50.60	125.57	3,658.05
Feb.	181.30	114.34	629.49	282.78	.85	85.24	39.51	186.58	98.47	27.60	1,036.44	141.46	27.15	43.05	54.40	28.42	2,977.08
March	99.00	91.49	600.44	355.58	15.10	52.24	6.62	626.12	69.40	14.87	1,093.76	111.97	125.35	52.89	41.49	81.81	3,438.13
April	122.66	39.74	479.51	594.59	8.85	121.21	22.17	286.97	57.83	97.90	1,337.87	80.22	92.46	82.05	43.29	39.54	3,506.86
May	96.12	45.08	408.81	658.39	37.30	8.66	72.44	237.02	6.45	44.62	1,091.51	90.39	148.08	144.00	63.84	37.83	3,190.54
June	117.18	163.83	500.93	403.72	14.95	51.61	2.30	86.22	33.38	96.20	1,033.32	42.80	73.74	72.56	41.92	67.90	2,802.56
July	97.75	39.50	444.26	567.09	47.30	6.54	66.65	101.67	178.98	76.87	1,251.70	33.21	48.89	123.27	53.55	124.99	3,262.25
Aug.	187.65	89.69	459.09	445.72	11.48	1.90	33.38		87.83	14.50	1,078.57	185.04	67.33	49.00	44.01	25.40	2,780.59
Sept.	175.02	103.64	481.07	465.52	31.99	23.50	16.09	125.91	22.91	29.25	1,289.28	46.73	138.47	112.20	47.61	132.00	3,241.19
Oct.	168.21	179.86	444.76	465.72	6.54	28.40	22.02	255.70	66.97	12.25	1,073.32	77.89	12.92	110.62	50.59	29.08	3,004.85
Nov.	240.79	203.32	441.41	486.49	31.67	47.33	70.96	351.44	222.06	28.77	1,359.93	49.10	93.04	49.55	65.24	28.69	3,769.79
Totals	\$1,794.19	\$1,304.76	\$5,814.98	\$5,884.49	\$232.20	\$505.02	\$409.71	\$3,080.49	\$1,101.06	\$508.45	\$14,046.55	\$974.51	\$892.01	\$931.79	\$631.63	\$734.14	\$38,845.98

### STATISTICS OF OUTSIDE RELIEF.

---

Gross cost of persons outside of Almshouse,	\$67,721.90
Receipts from various sources,	17,033.14
Amount paid persons in various cities and towns chargeable to the city,	3,728.81
Number of families in 1914,	1,813
Number of families settled here,	1,123
Number of families settled elsewhere,	148
Number of families State paupers,	542
Number of persons in 1914,	6,093
Number of persons settled here,	3,660
Number of persons settled elsewhere,	678
Number of persons State paupers,	1,755
Average cost of aid to each family, yearly,	37.35
Average cost of aid for each person, yearly,	11.11
Number of families aided under Mothers' Aid Law, Chap. 763, Acts of 1913,	68
Average cost of aid to each family,	6.17

### TRANSPORTATION.

Number of persons sent to State Institutions,	129
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### BURIALS.

Number of persons buried by the City,	186
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### PAUPERS AIDED ELSEWHERE.

But having settlement here, exclusive of the institutions. Cases 82, Persons 149.	3,728.81
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## ALMSHOUSE REGISTER.

For the year ending Nov. 30, 1914.

MONTH	ADMITTED	DISCHARGED	REMAINING
December,	27	17	161
January,	26	16	171
February,	21	11	181
March,	21	24	178
April,	19	25	172
May,	17	21	168
June,	24	22	170
July,	29	26	173
August,	24	16	181
September,	17	15	183
October,	25	18	190
November,	21	11	200
Totals,	271	222	2128

Number of inmates remaining Nov. 30, 1914, 151

Number admitted during the year, 233

Number discharged during the year, 222

Number remaining Nov. 30, 1914, 200

Average number of inmates monthly, 177



PRODUCTS OF CITY FARM.

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Potatoes,	1,175 bushels
Onions,	168 bushels
Turnips,	30 bushels
Carrots,	100 bushels
Tomatoes,	75 bushels
Parsnips,	44 bushels
String Beans,	15 bushels
Muskmelons,	60 bushels
Spinach,	50 bushels
Cabbage,	14,000 heads
Lettuce,	600 heads
Peas,	50 bushels
Radishes,	50 doz. bunches
Rareripes,	1,500 doz. bunches
Table Beets,	18,000 lbs.
Celery,	1,500 plants
Fodder Corn,	6 acres
Sweet Corn,	3 acres
Hay,	65 tons
Mangles,	15 tons
Calves,	8
Pigs,	44
Milk,	36,500 qts.
Eggs,	250 dozen

REPORT OF THE PHYSICIAN  
OF THE  
NORTH DISTRICT  
TO THE  
BOARD OF OVERSEERS OF THE POOR.

---

GENTLEMEN :—

From December, 1913, to September 30th, 1914, I have made 857 house visits; received 671 office calls; births 26; deaths 8. Visited Almshouse four times.

Respectfully submitted,

STANISLAS A. LAMOUREUX, M. D.

REPORT OF THE PHYSICIAN  
OF THE  
NORTH DISTRICT  
TO THE  
BOARD OF OVERSEERS OF THE POOR.

---

GENTLEMEN :—

From October 1st, 1914, to November 30th, 1914, I have made 191 house visits; received 218 office calls; births 5; deaths 8.

Respectfully submitted,

ARTHUR L. BRUNELLE, M. D.

Appointed Oct. 1st, 1914.

REPORT OF THE PHYSICIAN  
OF THE  
SOUTH DISTRICT  
TO THE  
BOARD OF OVERSEERS OF THE POOR.

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GENTLEMEN :—

I have made during the year ending November 30th, 1914, 580 house visits; 537 office calls; births 6; deaths 10. Visited Almshouse sixty-three times.

Respectfully submitted,

CLARENCE E. BURT, M. D.

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*To the Overseers of the Poor of the City of New Bedford:*

GENTLEMEN :—

During the year from December 1st, 1913, to December 1st, 1914, I made 139 visits at the Almshouse. During that time there were, in all, six births, thirty-five deaths at the Almshouse.

Respectfully submitted,

EDWARD T. TUCKER, M. D.

## CITY OF NEW BEDFORD.

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IN BOARD OF ALDERMEN,

April 22, 1915.

Received, ordered printed in City Documents and sent  
down for concurrence.

W. H. B. REMINGTON,  
City Clerk.

---

IN COMMON COUNCIL,

April 22, 1915.

Concurred.

CHARLES P. SAWYER,  
Clerk.

**ANNUAL REPORT**  
**OF THE**  
**Sealer of Weights and Measures**

**To the City Council**

**For the Year Ending Nov. 30, 1914**



**NEW BEDFORD:**  
**NEW BEDFORD PRINTING CO., PRINTERS**  
**1915**



## REPORT OF SEALER OF WEIGHTS AND MEASURES.

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NEW BEDFORD, MASS., NOV. 30, 1914.

TO HIS HONOR THE MAYOR AND THE HONORABLE  
CITY COUNCIL.

*Gentlemen:*—I have the honor to present to you my annual report as Sealer of Weights and Measures Department of the City of New Bedford, for the year ending November 30, 1914.

As shown in the report of the department, I have tested, adjusted, sealed or condemned a total of 13,270 scales, balances, weights and measures of all kinds during the year. The department has at all times endeavored to enforce the laws of weights and measures in a reasonable and equitable manner. Dealers and peddlers are, as a rule, complying with the law, and in most cases where the law has been violated, it has been through the ignorance of the party, or through the carelessness of some employee.

The work of the Sealer of Weights and Measures is different from any other important city office, as it deals with the things that are nearest to the American home, the necessities of life. It deals with the bread and butter of our every day lives; it deals with the wage-earner's pocket book, and the housewife's judgment. The city sealer is necessary to the consuming class, necessary in a two-fold sense. His duty is to see that correct measure and weight are given, and that correct weights, measures and scales are used. In my experience, I have learned from practice some things, and I believe that the meaning of some of these matters should be brought to your attention.



Beside the testing and sealing which takes the greater part of the year, there has been inaugurated a system of re-inspections at irregular intervals of apparatus used by the merchants, re-weighing of weighed out packages, such as potatoes, beans, peas, coffee, sugar, butter, lard, etc., and inspection of berry boxes in their season. The State Commissioner considers this feature of our department as very necessary, and I certainly agree with him, in order to eliminate carelessness and possible fraud, not only to protect the buying public against dishonest dealers, but also to protect the honest merchants that give correct weight.

The duties of this department are growing to such an extent, that the need of some assistance is necessary, in order to perform more promptly the work which is devolving upon this office. One direct cause of its growth is due to the enactment by the Legislature, from year to year, of new laws, and the activity of the State Department of Weights and Measures.

The orders received from the State Department from time to time means additional work ; and in letters received from the Commissioner he states the work of your department for the year 1915 will be somewhat increased, owing to the enforcement of additional provisions of the statutes.

In closing this report, I wish to thank the city officials, the manufacturers and merchants, for the courteous manner in which they have received me in the discharge of my duties.

A detailed report of the work performed, and an inventory of the office is herewith presented.

JOHN H. RYAN,  
Sealer of Weights and Measures.

# REPORT OF SEALER OF WEIGHTS AND MEASURES FOR THE YEAR ENDING NOVEMBER 30, 1914.

	Sealed	Adjusted	Con demned	Ordered Repaired	Total
Platform scales over 5,000 lbs.	90	10		2	102
Platform scales under 5,000 lbs.	830	93	22	27	972
Platform counter scales,	87	19	7	5	118
Hanging computing scales,	61	12	1	5	79
Platform computing scales,	272	21	4	27	324
Butchers' meat beam scales,	43				43
Market scales	5				5
Cold storage abattoir track scales	13	10	1		24
Spring balance scales	634	71	30	26	761
Counter scales,	231	29	18	5	283
Ice scales,	59		5		64
Balance scales	7		1		8
Cotton beam scales over 1,000 lbs.	107	7		4	118
Personal weighing scales,	16	3			19
Oil Pumps,	78	10		1	89
Molasses pumps,	12				12
Weights, correct,	4759				4759
Weights, light,		245			245
Weights, heavy,		94			94
Dry measures,	186				186
Liquid measures,	1594		41		635
Yard sticks,	233		9		242
Ice cream cans,	2903		137		3040
Milk Bottles	42		6		48
Totals,	12,262	624	282	102	13,270

## SUMMARY OF INSPECTIONS, Nov. 30, 1913, to Nov. 30, 1914.

Total number of inspections made in stores,	125
Total number of inspections made of hawkers' and peddlers' wagons,	75
Total number of inspections made of milk dealers' wagons,	90
Total number of inspections made of ice dealers' wagons,	45
Total number of inspections made of coal certificates,	50
Total number of inspections made of junk dealers' wagons,	85
Total number of violations of law noted in above inspections,	15
Violations were of a small nature, and offenders were warned not to repeat offense.	
Sale of coal weighed by other than a sworn weigher,	0
Sale of fruits and vegetables other than by weight or count,	0
Work done in office, no charge,	\$145.67
Fees collected and turned over to City Treasurer,	1,057.79
Fees due the department Nov. 30, 1914,	12.27

TO THE CITY COUNCIL COMMITTEE ON VALUATION OF  
PUBLIC PROPERTY :—

*Gentlemen:*—The following is an inventory of the property  
in the office of the Sealer of Weights and Measures :

STANDARDS.

- 5 Nickel-plated weights, 50, 25, 20, 10 and 5 lbs.
- 1 Set of brass avoirdupois weights in box.
- 1 Set of troy.
- 1 Set metric weights, 50 gr. to 10 m. g.
- 1 Set of apothecary's.
- 1 Standard yard in case, brass.
- 1 Set of copper dry measures (5).
- 1 Set of liquid measures (6).
- 3 Brass hook weights, 16, 8 and 4 lbs.
- 1 Balance, made by Henry Troener. All in oak cabinet

DUPLICATES.

- 46 50-lbs. iron weights.
- 5 Iron weights in box, 50, 25, 20, 10 and 5 lbs.
- 5 Weights, two 20, two 10, one 5 lbs.
- 2 sets avoirdupois weights, 4 lbs to 1-15 oz. Two short.
- 1 Brass yard measure.
- 1 Set copper liquid measures.
- 1 Army and Navy scale, 600 lbs. capacity.
- 1 Beam try scale and case.
- 1 Even balance in case.
- 1 Gurley pocket testing balance.
- 2 Brass hooks, 1 lb. and 2 lbs.
- 1 8-oz. glass graduate.
- 1 Combination case.
- 1 Roll-top desk.
- 2 Filing cabinets.
- 6 Office chairs.
- 2 Oak filing cases.
- 1 Revolving book case.
- 1 Vise, 1 work bench.
- 1 Basket and tin box; 1 hammer, wrench, stamp; 4 twist drills.
- 4 Iron punches,  $\frac{1}{2}$  to  $\frac{1}{8}$  inch; lead seals, etc.
- 2 Drilling machines, 6 bits from  $\frac{1}{4}$  to 1 inch.

The estimated value of the above named articles is about  
twenty-five hundred dollars.

JOHN H. RYAN,  
Sealer of Weights and Measures.

**WORK PERFORMED FROM NOV. 30, 1913,  
TO NOV. 30, 1914—TRIAL WEIGHINGS.**

	Number Tested	Correct	Incorrect	
			Under	Over
Charcoal,	27	27		
Coke,	85		5	80
Coal (in wagons)	6			6
Coal (in paper bags)	160		10	150
Hay,	20	15	2	3
Grain or Feed,	45	45		
Flour,	91	91		
Ice,	26	26		
Bread,	41	41		
Vegetables,	90	80	2	8
Meats,	24	24		
Gasolene,	42	42		
Butter, (print)	24	22	2	
Butter (bulk)	42	42		
Berrier,	141	141		
Fruits,	71	71		
Nuts,	24	24		
Liquid groceries,	13	13		
Milk jars,	41	41		
Nails,	16	16		
Berry baskets,	125	125		
Barrels (potato)	15	10		5
	<hr/> 1169	<hr/> 896	<hr/> 21	<hr/> 252

Largest amount of shortage found in any one load of coal,	000 lbs
Largest amount of over weight found in any one ton of coal,	120 lbs
Average overweight,	33 lbs

**Weights of One Bushel, One Peck, and One Quart of  
Certain Vegetables, Etc., as Provided by  
the Laws of Massachusetts.**

	1 Bu. Lbs	1 Peck Lbs.	1 Quart Ozs.		1 Bu. Lbs	1 Peck Lbs.	1 Quart Ozs.
Apples . . . . .	48	12	24	Oats . . . . .	32	8	16
Apples, Dried . . . . .	25	6½	12½	Onions . . . . .	52	13	26
Barley . . . . .	48	12	24	Parsley . . . . .	8	2	4
Beans . . . . .	60	15	30	Parsnips . . . . .	45	11½	22½
Beans, Lima . . . . .	56	14	28	Peaches . . . . .	48	12	24
Beans, Shell . . . . .	28	7	14	Peaches, Dried . . . . .	33	8½	16½
Beans, Soy . . . . .	58	14½	29	Peanuts, Green . . . . .	22	5½	11
Beans, Scarlet or White				Peanuts, Roasted . . . . .	20	5	10
Runner, Pole . . . . .	50	12½	25	Pears . . . . .	58	14½	29
Beans, String . . . . .	24	6	12	Peas, Smooth . . . . .	60	15	30
Beans, Windsor (broad)	47	11½	23½	Peas, Unshelled Green	28	7	14
Beets . . . . .	60	15	30	Peas, Wrinkled . . . . .	56	14	28
Beet Greens . . . . .	12	3	6	Potatoes . . . . .	60	15	30
Bran and Shorts . . . . .	20	5	10	Potatoes, Sweet . . . . .	54	13½	27
Buckwheat . . . . .	48	12	24	Quinces . . . . .	48	12	24
Carrots . . . . .	50	12½	25	Rice, Rough . . . . .	44	11	22
Corn, Cracked . . . . .	50	12½	25	Rye . . . . .	56	14	28
Corn, Indian . . . . .	56	14	28	Salt, Coarse . . . . .	70	17½	35
Cranberries . . . . .	32	8	16	Salt, Fine . . . . .	50	12½	25
Dandelions . . . . .	12	3	6	Seed, Clover . . . . .	60	15	30
Feed . . . . .	50	12½	25	Seed, Herd Grass . . . . .	45	11½	22½
Flaxseed . . . . .	55	13½	27½	Seed, Sea Island Cotton	44	11	22
Kale . . . . .	12	3	6	Seed, Timothy . . . . .	45	11½	22½
Lime . . . . .	70	17½	35	Seed, Upland Cotton . . . . .	30	7½	15
Meal (except Oatmeal)	50	12½	25	Spinach . . . . .	12	3	6
Meal, Corn . . . . .	50	12½	25	Tomatoes . . . . .	56	14	28
Meal, Rye . . . . .	50	12½	25	Turnips . . . . .	55	13½	27½
Millet, Japanese . . . . .	35	8½	17½	Wheat . . . . .	60	15	30

**BARREL**

Flour . . . . .	196	pounds
Potatoes . . . . .	165	pounds
Potatoes, Sweet . . . . .	150	pounds
Liquid Barrel . . . . .	31½	gallons
Hogshead . . . . .	2	barrels

Violations of the laws should be reported at once to Sealer  
of Weights and Measures, Municipal Building, Pleasant Street.

**JOHN H. RYAN.**

**CITY OF NEW BEDFORD.**

**IN BOARD OF ALDERMEN,  
February 11, 1915.**

**Received, ordered printed in City Documents and sent down  
for concurrence.**

**W. H. B. REMINGTON, *City Clerk.***

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**IN COMMON COUNCIL,  
February 11, 1915.**

**Concurred.**

**CHARLES P. SAWYER, *Clerk.***









**ANNUAL REPORT**

**OF THE**

**SCHOOL COMMITTEE**

**OF THE**

**CITY OF NEW BEDFORD**

**For the Year 1914**

---

**NEW BEDFORD:**  
**NEW BEDFORD PRINTING CO., PRINTERS**  
**1915**

IN SCHOOL COMMITTEE.

DECEMBER 28, 1914.

*Voted,* That the Superintendent and Secretary prepare the Annual Report of the School Board for the year 1914, and that 1500 copies of the same be printed.

# Report of the Secretary.

---

By direction of the School Committee, I submit to our fellow citizens the following report for the year 1914.

## STATISTICS.

### I. POPULATION AND VALUATION.

The population of the city (census of 1890) was	40,705
The population of the city (census of 1895) was	55,251
The population of the city (census of 1900) was	62,442
The population of the city (census of 1905) was	74,321
The population of the city (census of 1910) was	96,652
Valuation of the taxable property (1914) was	\$108,032,232.29
School houses and lots,	2,646,225.00
Other school property,	230,858.04

### II. APPROPRIATION.

Rate of taxation,	\$23.20
Amount for school purposes, not including new buildings,	469,219.73

### III. SCHOOL CENSUS.

Location of children between five and sixteen years of age, and illiterates between sixteen and twenty-one years of age, as to school attendance, as reported by the census enumerators, in accordance with the census record taken in September, 1914.

	Between 5 and 7 yrs.	Between 7 and 14 yrs.	Between 14 and 16 yrs.	Totals
Attending Public schools	1,304	9,452	2,242	12,998
Attending Private schools	476	3,214	345	4,035
Attending No Schools	2,110	131	784	3,025
Total number of children between 5 and 16 years of age in the city,				20,058

Census record, September, 1914, (children between seven and fourteen years of age not attending school):

Reported out with satisfactory excuses,	131
Number of children between 14 and 16 years of age to whom educational certificates have been granted,	1,121
Number of illiterate minors between 16 and 21 years of age (attending evening school),	1,759

#### IV. SCHOOL ORGANIZATION, JUNE 26, 1914.

High School,	1
Grammar schools,	6
Mixed schools—Grammar, Primary, and Ungraded,	9
Primary schools,	14
Suburban schools,	2
Cooking schools,	3
Manual Training schools,	4
	<hr/> 39

#### V. SCHOOL BUILDINGS, JUNE 26, 1914.

Permanent school houses,	33
Portable school houses,	13
	<hr/> 46

#### VI. SEATS, JUNE 26, 1914.

	Seats Occupied.	Seats Unoccupied.
High school,	859	92
Elementary schools,	11,547	3,310
	<hr/>	<hr/>
Totals,	12,406	1,402

#### VII. TEACHERS AND PRINCIPALS.

Whole number in service, January 1, 1915.

High school: 41 teachers, 1 military instructor, 1 clerk,	43
Elementary schools,	341
Special teachers,	23
School nurses,	3
Evening High school,	15
Evening Elementary schools,	94
	<hr/>
Total,	519

# SCHOOL REPORT

5

## PUBLIC SCHOOLS.

	1913	1914		
Enrollment of pupils,	13,718	14,214	increase	496
Average number belonging,	11,874	13,037	increase	1,163
Average daily attendance,	11,210	12,146	increase	936
Per cent. of attendance,	94.35	93.1	decrease	.25
Number cases of tardiness,	10,938	11,881	increase	943
Number cases absence,	239,731	230,386	decrease	9,345
Number cases dismissal,	5,244	3,303	decrease	1,941

## PRIVATE AND PAROCHIAL SCHOOLS.

	1913	1914		
Enrollment of pupils,	4,131	4,528	increase	397
Average number belonging,	3,804	4,020	increase	216
Average daily attendance,	3,582	3,750	increase	168
Per cent. daily attendance,	94.1	93.3	decrease	2.7

## PUBLIC, PRIVATE, AND PAROCHIAL SCHOOLS.

	1913	1914		
Enrollment of pupils,	17,849	18,742	increase	893
Average number belonging,	15,678	17,057	increase	1,379
Average daily attendance,	14,792	15,896	increase	1,104
Per cent. daily attendance,	94.23	93.1	decrease	1.13

## TABLE I.

The cost of instruction per scholar is based on the average number belonging and the total amount expended for the maintenance of each department, not including the expenditures from the Sylvia Ann Howland Educational Fund or Dog Fund, during the year.

High school,	\$86.53
Elementary schools,	31.14
Evening Elementary schools,	5.65
Evening High school,	12.03
Day school,	34.69

## RECEIPTS AND EXPENDITURES.

1913—1914.

## Summary.

Total appropriations, general and subsequent,	\$481,483.41
Total expenditures,	479,672.83
Balances unexpended,	<u>\$1,810.58</u>

## RECEIPTS—APPROPRIATIONS FROM CITY COUNCIL.

General appropriations, etc. :

Teachers' salaries,		\$350,000.00
Incidentals—General	\$105,000.00	
Subsequent,	1,754.32	
Transfer from Dog Fund,	<u>2,161.94</u>	108,916.26
Repairs—General,	\$6,000.00	
Subsequent,	<u>303.47</u>	6,303.47
Playgrounds,		4,000.00
New High school furnishings, balance from 1913,		2,263.68
Katharine St. school furnishings, special appropriation,		<u>10,000.00</u>
Total,		\$481,483.41

## EXPENDITURES—MONEY RAISED BY TAXATION.

For teachers' salaries :

Day schools,	\$339,209.01
Evening schools,	<u>9,797.50</u>
	\$349,006.51

For incidentals :

Salaries; Supt. and Sec., Prim. Supervisor,	
Inspec. School Property, clerks, attend-	
ance officers and janitors,	\$57,165.53
Books and supplies,	15,840.86
Janitors' supplies,	2,135.67
Fuel,	20,977.09
Lighting,	1,717.68
Water rates,	3,444.20
Printing and advertising,	1,168.27
Freight and carting,	349.46
Transportation,	876.00
Cooking school,	779.82
Manual Training school,	410.45
Bristol County Training school,	326.90
Miscellaneous expenses (furniture, telephones,	
boiler insurance, etc.),	<u>3,724.33</u>
	\$108,916.26
For repairs of buildings,	6,303.47
For furnishing new buildings,	11,698.24
Playgrounds,	<u>3,748.35</u>
Total,	\$479,672.83

# SCHOOL REPORT

7

## Balances Unexpended.

Transferred to unappropriated funds,	\$1,245.14
Special appropriations carried forward to 1915,	565.44
<b>Total,</b>	<b>\$1,810.58</b>

Receipts from other sources, paid to City Treasurer and credited to unappropriated funds :

For tuition non-resident pupils,	\$1,987.25	
For tuition State Charity pupils,	85.50	
For sale of books and supplies,	99.32	
For discarded books, old furniture, junk, etc.,	46.68	
		<b>\$2,218.75</b>

## Income from Trust Funds, etc.

S. A. Howland Educational Fund,	\$7,570.42	
Jonathan Bourne Prize Fund,	80.00	
Dog Fund,	4,573.78	
		<b>\$12,224.20</b>

1914.

## SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance of income on hand Dec. 1, 1913,	\$3,558.65	
Income during year,	4,011.77	
		<b>\$7,570.42</b>
Expenditures for the year,		<b>3,259.53</b>
Balance, Dec. 5, 1914,		<b>\$4,310.89</b>

1914.

## JONATHAN BOURNE PRIZE FUND.

Interest for the year,	\$80.00	
Expenditures for prizes,	60.00	
Balance, Dec. 5, 1914,		<b>\$20.00</b>

1914.

## DOG FUND.

Balance, December 1, 1913,	\$2,079.35	
Income, 1914,	2,494.43	
<b>Total,</b>	<b>\$4,573.78</b>	
Transferred to salaries,	2,161.94	
		<b>\$2,411.84</b>
Expenditures for the year,		<b>2,141.82</b>
Balance, Dec. 5, 1914,		<b>\$270.02</b>



SUMMARY OF RECEIPTS AND EXPENDITURES  
BY DEPARTMENTS.

**Receipts — 1914.**

General appropriations, etc.,	\$481,514.30
Stock on hand Dec. 1, 1913,	3,414.81
S. A. Howland Educational Fund,	7,570.42
Dog Fund,	2,411.84
Jonathan Bourne Prize Fund,	80.00
Tuition of non-resident pupils and sales,	2,119.43
	<hr/> \$497,110.80

**Expenditures — 1914.**

High school,	\$73,130.68
Elementary schools,	374,751.39
Manual Training school (sloyd),	4,495.98
Manual Training school (cooking),	2,841.51
Playgrounds,	3,760.85
Summer classes,	655.39
Evening High school,	2,507.64
Evening Elementary schools,	9,034.48
Sale of books and supplies,	99.32
Old High school,	13.15
For all departments,	2,594.26
High school furnishings,	2,167.79
Katharine Street school furnishings,	9,530.45
	<hr/> \$485,582.89
Stock on hand Dec. 5, 1914,	2,996.99
Tuition of non-resident pupils and sales,	2,119.43

**BALANCES.**

Howland Educational Fund,	\$4,310.89
Dog Fund,	270.02
Jonathan Bourne Prize Fund,	20.00
High school furnishings,	95.89
Katharine Street school furnishings,	469.55
Teachers' salaries,	993.49
Playgrounds,	251.65
	<hr/> \$497,110.80

## DETAILED STATEMENT.

High school :	
Salaries: Teachers, regular,	\$49,047.30
Salaries: Teachers, special and supervising,	1,497.00
Salaries: Clerk,	600.00
Salaries: Janitors,	8,731.75
Fuel,	1,599.95
Lighting,	169.97
Water rates,	689.74
Books,	3,375.16
Stationery supplies,	1,687.67
Science department, supplies,	450.02
Janitors' supplies,	343.64
Furniture,	271.05
Miscellaneous,	1,246.03
Proportion of general expenses,	2,134.43
Repairs, ordinary and alterations,	409.38
Bourne Prize Fund—Essays,	60.00
Dog Fund—supplies,	118.75
Howland Fund—supplementary books, and supplies,	698.84
	<hr/>
	\$73,130.68
Elementary schools :	
Salaries: Teachers, regular,	\$268,792.92
Salaries: Teachers, special and supervising,	12,670.04
Salaries: Janitors,	28,544.48
Fuel,	19,249.78
Lighting,	1,044.75
Water rates,	2,748.72
Transportation,	706.00
Books,	4,273.97
Stationery supplies,	6,175.97
Sewing supplies,	124.44
Janitors' supplies,	1,443.38
Furniture,	357.75
Insurance on boilers,	642.45
Miscellaneous,	401.35
Proportion of general expenses,	19,802.00
Repairs, ordinary and alterations,	5,733.92
Dog Fund—supplies,	433.94
Howland Fund—supplementary books and supplies,	1,605.53
	<hr/>
	\$374,751.39

## Manual Training—Sloyd :

Salaries : Teachers,	\$4,050.00	
Stationery supplies,	31.40	
Janitors' supplies,	4.13	
Tools, lumber, etc.,	410.45	
	<hr/>	\$4,495.98

## Manual Training—Cooking :

Salaries : Teachers,	\$1,989.25	
Stationery supplies,	50.25	
Janitors' supplies,	22.19	
Groceries, fuel, etc.,	779.82	
	<hr/>	\$2,841.51

## Playgrounds :

Salaries : Teachers,	\$2,603.30	
Salaries : Janitors,	698.20	
Apparatus and supplies,	219.90	
Janitors' supplies,	12.50	
Miscellaneous,	226.95	
	<hr/>	\$3,760.85

## Summer classes :

Salaries : Teachers,	\$562.50	
Salaries : Janitors,	75.00	
Stationery supplies,	17.89	
	<hr/>	\$655.39

## Evening High :

Salaries : Teachers,	\$2,396.00	
Printing and advertising,	27.86	
Stationery supplies,	83.78	
	<hr/>	\$2,507.64

## Evening Elementary schools :

Salaries : Teachers,	\$7,401.50	
Salaries : Janitors,	578.25	
Books,	8.40	
Stationery supplies,	57.39	
Lighting,	388.95	
Printing and advertising,	99.24	
Proportion of general expenses,	500.00	
Miscellaneous,	.75	
	<hr/>	\$9,034.48
Sale of books and supplies,	\$93.16	
Sale of janitors' supplies,	6.16	
	<hr/>	\$99.32

# SCHOOL REPORT

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Old High school:		
Lighting,	\$7.83	
Miscellaneous,	1.10	
Repairs, ordinary,	4.22	
	<hr/>	\$13.15
For all departments:		
Howland Fund,	\$955.16	
Dog Fund,	1,589.13	
Miscellaneous,	49.97	
	<hr/>	\$2,594.26
Special appropriations:		
High school furnishings,	\$2,167.79	
Katharine Street school furnishings,	9,530.45	
	<hr/>	\$11,698.24
Total expenditures,		\$485,582.89
Stock on hand, Dec. 5, 1914, books and supplies,	\$2,070.77	
Stock on hand, Dec. 5, 1914, janitors' supplies,	926.22	
Balances carried forward 1915:		
S. A. Howland Educational Fund,	\$4,310.89	
Dog Fund,	270.02	
Jonathan Bourne Prize Fund,	20.00	
High school furnishings,	95.89	
Katharine Street school furnishings,	469.55	
Balances transferred to unappropriated funds:		
Teachers' salaries,	993.49	
Playgrounds,	251.65	
Tuition from non-resident pupils, and sales,	2,119.43	
	<hr/>	\$497,110.80

### SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance of income on hand, Dec. 1, 1913,	\$3,558.65
Income during period,	4,011.77
	<hr/> \$7,570.42
Expenditures for the year,	3,259.53
Balance, Dec. 5, 1914,	<hr/> \$4,310.89

#### DETAILED STATEMENT.

Outlay of the School Committee from the income of the Sylvia Ann Howland Educational Fund, from Dec. 1, 1913, to Dec. 5, 1914.

Books and periodicals,	\$881.12
Music department,	808.75
Lectures,	350.00
Miscellaneous,	1,219.66
Total,	<hr/> \$3,259.53

Disbursements to the several schools and otherwise are as follows:

101. High school,	\$698.84
302. Parker Street Grammar school,	38.85
303. Hosea M. Knowlton Grammar school,	23.23
304. Middle Street Grammar school,	30.33
305. Fifth Street Grammar school,	15.73
306. Robert C. Ingraham Grammar school,	77.11
307. James B. Congdon Grammar school,	53.92
350. John H. Clifford, Mixed school,	27.75
351. Thomas Donaghy, Mixed school,	19.45
352. William H. Taylor, Mixed school,	16.19
354. Thomas R. Rodman, Mixed school,	289.71
355. Jireh Swift, Mixed school,	320.77
356. Abraham Lincoln, Mixed school,	22.45
357. Betsey B. Winslow, Mixed school,	15.75
358. Harrington Memorial, Mixed school,	10.21
359. Katharine Street, Mixed school,	156.58
401. Phillips Avenue Primary school,	8.78

## SCHOOL REPORT

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402.	Cedar Grove Street Primary school,	29.61
403.	Clark Street Primary school,	7.75
404.	Merrimac Street Primary school,	8.90
405.	Mary B. White Primary school,	4.20
406.	Horatio A. Kempton Primary school,	20.95
407.	Cedar Street Primary school,	3.70
409.	Sylvia Ann Howland Primary school,	14.43
410.	Thomas A. Greene Primary school,	11.70
411.	Acushnet Avenue Primary school,	15.64
412.	Thompson Street Primary school,	52.81
413.	Isaac W. Benjamin Primary school,	32.68
414.	Dartmouth Street Primary school,	239.10
415.	George H. Dunbar Primary school,	22.75
605.	Plainville school,	10.29
606.	Rockdale school,	4.21
	Office,	16.40
	Lectures,	350.00
	Miscellaneous,	588.76
		<hr/>
		\$3,259.53

# **TEXT BOOKS, STATIONERY, AND JANITORS' SUPPLIES.**

STATEMENT FOR 1914.

*Dr.*

	Purchased in 1914	Stock Dec. 1, 1913	TOTALS	
Books,	\$7,696.56	\$1,028.39	\$8,726.95	
Stationery Supplies,	7,604.00	1,714.25	9,318.25	
Janitors' Supplies,	2,145.44	672.17	2,817.61	
	<b>\$17,448.00</b>	<b>\$3,414.81</b>	<b>\$20,862.81</b>	

*Cr.*

	Charged to Schools, 1914	Stock Dec. 5, 1914	Cash receipts, 1914	TOTALS
Books,	\$7,782.82	\$860.77	\$83.36	\$8,726.95
Stationery Supplies,	8,098.45	1,210.00	9.80	9,318.25
Janitors' Supplies,	1,885.23	926.22	6.16	2,817.61
	<b>\$17,766.50</b>	<b>\$2,996.99</b>	<b>\$99.32</b>	<b>\$20,862.81</b>

The cost in detail of text books, regular supplies and janitors' supplies furnished the several schools for the year 1914, is as follows:

	Books.	Regular Supplies.	Janitors' Supplies.	Total.
101. High school,	\$3,375.16	\$1,687.67	\$343.64	\$5,406.47
Elementary Schools:				
302. Parker Street,	353.68	317.92	51.28	722.88
303. H. M. Knowlton,	464.66	367.16	76.15	907.97
304. Middle Street,	311.42	201.60	25.14	538.16
305. Fifth Street,	325.87	247.69	33.41	606.97
306. R. C. Ingraham,	228.82	273.82	88.09	590.73
307. J. B. Congdon,	382.20	392.84	74.47	849.51

## SCHOOL REPORT

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350.	J. H. Clifford,	20.92	162.68	67.47	251.07
351.	Thomas Donaghy,	163.48	278.38	79.39	521.25
352.	W. H. Taylor,	208.40	283.61	58.17	550.18
354.	T. R. Rodman,	98.85	211.35	64.30	374.50
355.	Jireh Swift,	27.45	118.81	30.28	176.54
356.	Abraham Lincoln,	296.95	391.70	55.14	743.79
357.	Betsey B. Winslow,	42.29	91.72	43.27	177.28
358.	Harrington Memorial,	52.60	181.08	55.79	289.47
359.	Katharine Street,	866.56	730.97	83.48	1,681.01
401.	Phillips Avenue,	34.65	158.19	37.11	229.95
402.	Cedar Grove Street,	78.20	247.86	71.53	397.59
403.	Clark Street,	13.68	104.23	31.08	148.99
404.	Merrimac Street,	15.14	60.65	38.56	114.35
405.	Mary B. White,	.60	50.12	16.42	67.14
406.	H. A. Kempton,	21.74	102.71	33.24	157.69
407.	Cedar Street,	37.95	72.56	26.05	136.56
409.	S. A. Howland,	5.00	47.67	24.97	77.64
410.	T. A. Greene,	21.88	149.40	34.45	205.73
411.	Acushnet Avenue,	37.05	138.68	79.58	255.31
412.	Thompson Street,	18.32	170.11	14.28	202.71
413.	I. W. Benjamin,	65.67	220.88	96.40	382.95
414.	Dartmouth Street,	8.68	103.61	11.64	123.93
415.	G. H. Dunbar,	46.10	148.15	36.89	231.14
605.	Plainville,	8.65	25.72	2.33	36.70
606.	Rockdale,		21.83	2.93	24.76
	Manual Training,		31.40	4.13	35.53
	Cooking,	3.00	47.25	22.19	72.44
	Sewing,		15.04		15.04
	Summer Classes,		17.89		17.89
	Playgrounds,			12.50	12.50
	Special Classes:				
	Thomas Donaghy,		5.13		5.13
	Harrington Memorial,		39.73		39.73
	Katharine Street,	16.03	32.09		48.12
	Cedar Grove Street,		8.15		8.15
	S. A. Howland,	.48	17.17	.09	17.74
802.	Evening High School,	37.50	46.28		83.78
	Evening Elementary Schools:				
803.	H. M. Knowlton,		13.37		13.37
804.	Abraham Lincoln,		5.66		5.66
805.	Parker Street,				
806.	Fifth Street,		12.85		12.85
807.	R. C. Ingraham,	8.40	14.56		22.96
808.	Thomas Donaghy,		10.95		10.95
	Office,	84.79	19.56	59.39	163.74
	Sales,	83.36	9.80	6.16	99.32
	Stock,	860.77	1,210.00	926.22	2,996.99
		\$8,726.95	\$9,318.25	\$2,817.61	\$20,862.81



The average cost per pupil in the different departments of the schools, for text books and supplies, has been as follows :

High school,	\$6.61
Elementary schools,	.87
Average for day schools,	1.24
Average for Evening Elementary schools,	.04
Average for Evening High school,	.40

### DEPARTMENT OF PUBLIC SCHOOLS.

For the year beginning Sept. 3, 1913, ending June 26, 1914.

	Total Membership		Average Membership	Average Daily Attendance	Per cent. of Attendance	No. Sessions
	Boys	Girls				
High,	352	429	835	809	96.5	193
Elementary,	6,767	6,610	12,118	11,261	92.9	379
Manual Training,	2,709		1,263	35	98.5	
Cooking,		4,277	702	30	97.1	
<b>EVENING SCHOOLS:</b>						
High,	229	193	208	154	74.	56
Elementary,	1,495	849	1,599	1,374	86.3	37

**AVERAGE AGE OF PUPILS IN VARIOUS GRADES.**  
June 26, 1914.

**HIGH SCHOOL.**

	Yrs.	Mos.
Senior II.....	18	5
Senior I.....	17	5
Junior II.....	17	6
Junior I.....	16	7
Sophomore II.....	16	5
Sophomore I.....	15	5
Freshmen II.....	16	4
Freshmen I.....	15	
Average for school.....	16	8

**ELEMENTARY SCHOOLS.**

	Yrs.	Mos.
Grade VIII. A.....	14	4
Grade VIII. B.....	14	1
Grade VII. A.....	13	6
Grade VII. B.....	13	1
Grade VI. A.....	12	9
Grade VI. B.....	12	2
Grade V. A.....	12	2
Grade V. B.....	11	8
Grade IV. A.....	11	4
Grade IV. B.....	11	1
Grade III. A.....	10	2
Grade III. B.....	9	5
Grade II. A.....	9	
Grade II. B.....	8	8
Grade I. A.....	7	11
Grade I. B.....	7	6
Sub-Primary.....	6	
Kindergarten.....	5	7
Ungraded.....	12	10
Special Classes.....	11	11
Disciplinary.....	13	10
Average for elementary schools.....	10	10

## AGE AND SCHOOLING CERTIFICATES.

There were issued from the office of the Superintendent of Schools for the year 1914 the following age and schooling certificates:

	1914		1913	
	Original.	Additional.	Original.	Additional.
To minors between 14 and 16 years of age.....	1,234	1,178	2,515	262
To literate minors between 16 and 21 years of age...	985	4,199	5,055	590
To illiterate minors between 16 and 21 years of age...	651	1,099	1,712	235
Time permits (to work until statement of birth may be procured .....		224		48
Totals .....	2,870	6,700	9,282	1,135
Grand Totals .....	9,570		*10,417	

\*Of this number, 8,579 were given in exchange for the old-form certificates, to comply with the new law which became operative in September, 1913.

## REPORT OF ATTENDANCE OFFICERS:

From September, 1913, to June, 1914.

	John S. Silva.	Francis N. Howes.	Ralph Covill.
Schools visited,	1,472	2,222	1,412
Absences of pupils reported by teacher,	1,151	1,206	1,255
Absences of pupils without permission of parent,	48	41	80
Second offences,	15	10	16
Third offences,	11	9	8
Parents and guardians notified,	1,243	1,197	1,353
Pupils returned to school from street,	63	53	87
Arrests,	3	1	1
Prosecutions,	3	1	2
Placed on probation,	1	0	1
Sentenced to Training school,	2	0	0
Visits to mills,	160	181	185
Violations of labor laws,	20	41	19
Transfer cards received,	647	866	747
Evening school absences reported and investigated,	110	73	59
Posters carried out,	285	171	190
Enrollment cards carried out,	325	222	225
Visits to mercantile establishments,	33	103	89
Notices carried to schools,	567	808	465
Cases of tardiness investigated,	17	22	30

# GRADUATES. 1914.

## High School.

G. Walter Williams, Principal.

	Boys.	Girls
College and General Courses,	14	32
Commercial Courses,	10	13
Partial Courses,	3	5
	<hr/> 27	<hr/> 50

## Grammar Schools.

	Boys.	Girls.
Parker Street—Arthur F. Gilbert, Principal,	30	53
Hosea M. Knowlton—Edward B. Gray, Principal,	33	35
Middle Street—Elwyn G. Campbell, Principal,	47	38
Fifth Street—Allen F. Wood, Principal,	26	39
Robert C. Ingraham—Alice C. Munsey, Principal,	36	29
James B. Congdon—Raymond H. Cook, Principal,	21	36
Thomas R. Rodman—Sarah A. Russ, Principal,	11	17
Jireh Swift—Louis D. Cook, Principal,	5	8
Abraham Lincoln—John W. Northcott, Principal,	17	15
Betsey B. Winslow—Alice T. Corrigan, Principal,	9	8
	<hr/> 235	<hr/> 278

## PUPILS ENTERING THE HIGH SCHOOL—SEPTEMBER, 1913.

	Boys.	Girls.	Total.
From New Bedford schools,	70	84	154
From other schools in city.	7	9	16
From schools out of city,	4	5	9
	<hr/> 81	<hr/> 98	<hr/> 179

## PUPILS ENTERING—FEBRUARY, 1914.

	Boys.	Girls.	Total.
From New Bedford schools,	94	123	217
From other schools in city,			
From schools out of city,	1	1	2
	<hr/> 95	<hr/> 124	<hr/> 219

1827—1914.  
 NEW BEDFORD HIGH SCHOOL.  
 GRADUATION EXERCISES.  
 HIGH SCHOOL AUDITORIUM,  
 FRIDAY, JUNE 26, 1914, AT 2.30 P. M.

PROGRAMME.

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1. March. Spirit of Loyalty. . . . . *Osborn*  
 High School Orchestra. Clarence W. Arey, Director
2. Prayer.  
     Reverend Frank E. Ramsdell
3. Hymn. Almighty God. . . . . *N. Hermann, 1554*  
     Class of 1914
4. Salutatory.  
     Marie Blanche Fregéau
5. Songs.  
     Amulet . . . . . *James Rogers*  
     At Dawning . . . . . *Charles W. Cadmun*  
         Dwight Swett Sargent  
         Allen Raymond Gardner, Accompanist
6. Essay. The Story of Gold.  
     Roy Wilmot Benton
7. Overture. Rose Nuptiale. . . . . *Lavellee*  
     High School Orchestra
8. Essay. Bells.  
     Eva Sophie Hahn
9. A June Song. . . . . *P. Bucalossi*  
     Class of 1914  
     Zillah Wilson Darling, Accompanist

10. Valedictory. Appreciation.  
Gladys Wing Chace
11. Awarding of Diplomas, Certificates, and Bourne Prizes.  
Reverend William B. Geoghegan,  
Member of the School Committee
12. Singing of Class Ode.

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### CLASS ODE.

---

Words by Isabelle Hervey Wing.  
Music by Alice Leonard Taylor.

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Alma Mater, we thy children,  
Leaving thus thy sheltering care,  
Stand upon Life's unknown threshold,  
Ready, eager, for service there.

Thee, we thank, our Alma Mater,  
For thy guidance, true and tender,  
Thank thee for thy love and patience,  
Thank thee, as our praise we render.

May we part thus but in seeming;  
May our hearts be with thee ever.  
Though we thus go forth without thee,  
Let not Time our spirits sever.

As we tender thee this tribute,  
All our love and faith confessing,  
Grant, O grant us, Alma Mater,  
To thy children, grant thy blessing.  
Grant, O grant us, Alma Mater,  
To thy children, grant thy blessing.

---

### WINNERS OF THE JONATHAN BOURNE PRIZES.

First Prize Essay. Bells.

EVA SOPHIE HAHN

Second Prize Essay. Bells.

DOROTHY SCOTT FOSTER

Third Prize Essay. The Story of Gold.

ROY WILMOT BENTON

CLASS OF 1914.  
SEEK, LIVE, VOICE THE TRUTH.  
CANDIDATES FOR DIPLOMAS.

---

College Preparatory Course.

*With Highest Credit.*

Roy Wilmot Benton

Gladys Wing Chace

Mary Blanche Fregeau

*With Credit.*

Russell Walker Hirst

Esther Barnet

Garry de Neuville Hough

Phyllis Frances Cole

Theodore Henry Reumann

Catherine Irene Walsh

Hosea Hart Smith

Gertrude Wood

---

Allen Raymond Gardner

Lilly Beatrice Burns

Joseph Arthur Luce

Blanche Anita Collet

Ralph Watson Peters

Gertrude Katharine Esslinger

Aubrey Joseph Pothier

Helen Sarah Kennedy

Stephen Larkin Sadler

Marion Adele McCrillis

S. Ameen Saliba

Mary Elizabeth McMahon

Dwight Swett Sargent

Anna Katharina Scherzer

Ralph Gunter Williams

Marjorie Wilbor

Donald Kenneth Woodard

Pauline Windsberg

Katharine Boyden Allen

Isabelle Hervey Wing

---

General Course.

*With Credit.*

Zillah Wilson Darling

Sarah Ellen Rushton

Dorothy Scott Foster

Lucille Hendrie Talmage

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Ida Cohen

Mariam Gray Macy

Mary Perry Corey

Elizabeth Celeste Mendelson

Celia Mills Elliott

Bessie Regina Regan

Elizabeth Veronica Foster

Nellie Louise Raymond

Mildred Florence Howard

Mary Frances Tinkham

Margaret Vieira



## Commercial Course. .

*With Credit.*

Paul Alfred Barnes  
 William Smith DeAvelar  
 Percy Milan Leavitt  
 Ethel Louise Hafford

Eva Sophie Hahn  
 Alice Leonard Taylor  
 Elsie Brownell Tripp  
 Doris Frances Young

John Alferes  
 Merton Jennings Batchelder  
 James Bearse Caswell  
 Everett Howland Fuller  
 Frank Wilcox Howard  
 Arthur Judson Robinson  
 Raymond Henry Wilbur

Rose Epstein  
 Ethel May Johnson  
 Mary Margaret Lewin  
 Ottilie Pedro Maciel  
 Edna May Niles  
 Rebecca Alice Piper  
 Sylvia Elizabeth Whitaker

Ruth Bartlett Cushman

## CANDIDATES FOR CERTIFICATES.

	Credits
James Arthur Lewis . . . . .	72
Helen Caroline Sater . . . . .	70.5
Alice May Irene Murphy . . . . .	70.25
Clarence Everett Allen . . . . .	68.5
Doris Talbot Allen . . . . .	67
Helen Mildred Burns . . . . .	66.5
Edward Gibbs Braislin (3½ years) . . . . .	46.5
Albertine E. Cleveland (2 years) . . . . .	32.75

# DEPARTMENT OF PUBLIC SCHOOLS. Brief description of the schoolhouses, with their accommodations and conditions.

NAME OF SCHOOL	LOCATION	Material	No. of stories	No. of school-rooms	No. of assembly-halls	No. of sittings	Year completed	Estimated value
101 High.	County st., between Court and Morgan sts.	Brick	3	24	8	1000	1912	\$700,000
302 Parker Street.	Parker st., near County st.	Brick	3	12	1	562	1862	88,379
303 Hosea M. Knowlton.	Cor. County and Coggeshall sts.	Brick	3	16	1	786	1906	106,787
304 Middle Street.	Summer st., between Elm and Middle sts.	Brick	3	9	1	488	1844	35,035
305 Fifth Street.	Cor. Pleasant and Russell sts.	Brick	3	10	1	480	1860	35,888
306 Robert C. Ingraham.	Rivet st.	Brick	3	12	1	575	1901	88,157
307 James B. Congdon.	Hemlock st., cor. Thompson st.	Brick	3	16	1	779	1908	123,039
350 John H. Clifford.	Coggeshall st.	Brick	3	12	1	532	1901	84,525
351 Thomas Donaghy.	South st.	Brick	3	12	1	615	1905	82,639
352 William H. Taylor.	Brock ave.	Brick	3	12	1	590	1888	79,000
354 Thomas R. Rodman.	Mill st., cor. Rockdale ave.	Brick	3	10	1	435	1908	85,618
355 J. J. Swift.	Lunds Corner.	Brick	3	10	1	468	1909	81,117
356 Abraham Lincoln.	Cor. Bowditch and Glennon sts.	Brick	3	20	1	980	1911	102,083
357 Betsey B. Winslow.	Allen st.	Brick	3	13	1	600	1912	85,000
358 Harrington Memorial.	Cor. Court and Tremont sts.	Brick	3	10	1	480	1889	54,508
359 Katharine Street.	Katharine st. between Orchard and Bonney	Brick	3	20	1	885	1914	171,525
401 Phillips Avenue.	Phillips ave.	Brick	3	8	1	364	1897	47,561
402 Cedar Grove Street.	Cedar Grove st.	Brick	3	15	1	631	1883	35,893
403 Clark Street.	Clark st.	Brick	3	8	1	372	1897	87,847
404 Merrimac Street.	Merrimac st.	Brick	3	6	1	261	1877	18,118
405 Mary B. White.	Cor. Pleasant and Maxfield sts.	Brick	3	4	1	185	1881	25,068
406 Horatio A. Kempton.	Shawmut ave.	Brick	3	8	1	380	1901	61,819
407 Cedar Street.	Cor. Cedar and Maxfield sts.	Wood	3	6	1	239	1855	7,083
408 Sylvia Ann Howland.	Cor. Pleasant and Kempton sts.	Brick	3	7	1	198	1886	65,100
410 Thomas A. Greene.	Cor. Purchase and Madison sts.	Brick	3	8	1	348	1894	68,089
411 A. Cushnet Avenue.	Acushnet ave.	Brick	3	10	1	462	1873	48,866
412 Thompson Street.	Thompson st.	Brick	3	8	1	370	1883	87,806
413 Isaac W. Benjamin.	Division st.	Brick	3	19	1	560	1901	93,575
414 Cor. Dartmouth and Hickory sts.	Cor. Dartmouth and Hickory sts.	Wood	3	6	1	369	1856	17,106
415 George H. Dunbar.	Cor. Dartmouth and Dunbar sts.	Brick	3	6	1	363	1897	46,087
804 North.—Unoccupied.	County Road.	Wood	1	2	1	80	1852	2,000
805 Plainville.	Plainville Road.	Wood	1	1	1	40	1846	1,000
806 Rockdale.	Rathway Road.	Wood	1	1	1	60	1855	1,254
1 Forable.	Division st.	Wood	1	1	1	80	1903	4,231
2 Forable.	Madison st.	Wood	1	1	1	100	1903	2,166
3 Forable.	Madison st.	Wood	1	1	1	100	1910	3,400
1 Unoccupied.	Summer st., between Mill and North sts.	Brick	3	10	1	400	1911	16,782
							1876	115,368

## NEW BEDFORD PUBLIC SCHOOLS.

Rates of tuition for non-resident pupils for school year,  
September 9, 1914, to July 2, 1915, same to be paid quarterly:

High School,	\$75.00
Grammar Schools,	30.00
Primary Schools,	25.00

## SALARIES.

January 1, 1915.

## HIGH SCHOOL.

	Min.	Max.
Principal,	\$2,500	\$3,000
Assistant Principal,	1,800	2,200
Heads of Departments,	1,400	2,000
Men assistants,	1,000	1,700
Women assistants,	800	1,200
Military instructor,		400

Increase \$100 yearly until maximum is reached.

## ELEMENTARY SCHOOLS.

Principals, Lincoln, Knowlton, Parker, Middle, Fifth, Donaghy, Ingraham, Congdon, Katharine,	\$1,600	\$2,200
Principals, Swift, Clifford, Rodman, Taylor, Winslow, Harrington,	1,200	1,800

Increase \$100 annually until maximum is reached.

Principals, primary schools:		
4 or 5 rooms occupied,	Maximum salary	\$850
6 or 7 rooms occupied,	" "	900
8 or 9 rooms occupied,	" "	950
10 or more rooms occupied,	" "	1,000
Assistants in eighth grades,	" "	875
Assistants in seventh grades,	" "	800
Assistants in grades one through six,	" "	750
Assistants in sub-primary and kindergartens,	" "	750
Assistants in all grades,	Minimum	550

Increase \$50 per annum at close of first, second, third, and fifth years of experience.

	Minimum.	Maximum.
Teachers of special classes,	\$800	\$900
Teachers of ungraded classes,		800
Teachers of disciplinary classes,		875

ROCKDALE SCHOOL.

Principal, Maximum salary, \$800

PLAINVILLE SCHOOL.

Principal, Maximum salary, \$750

SUPERVISORS AND SPECIAL TEACHERS.

	Minimum.	Maximum.
Supervisor of Music,	\$1,400	\$1,900
Assistant Supervisor of Music,	600	900
Supervisor of Drawing,	1,400	1,800
Assistant Supervisor of Drawing,	600	900
Supervisor of Sloyd,	1,200	1,800
Teachers of Sloyd,	600	750
Supervisor of Cooking,	800	900
Teachers of Cooking,	550	750
Supervisor of Sewing,	800	900
Sewing Assistants,	550	750
Physical Director,		1,500
Assistant Physical Director,		900
Teacher of Penmanship,		200
School Nurses,		800

Supervisors' increase, \$100 annually.

Assistant supervisors' increase, \$50 annually.

## CALENDAR 1915—1916.

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TERMS.

Fall term begins Sept. 9, 1914; ends Feb. 5, 1915.

Spring term begins Feb. 8, 1915; ends July 2, 1915.

Fall term begins Sept. 8, 1915; ends Feb. 4, 1916.

## VACATIONS.

Spring vacation, one week, beginning March 29, 1915.

Summer vacation, nine weeks, beginning July 2, 1915.

Winter vacation, two weeks, beginning Dec. 17, 1915.

## HOLIDAYS.

Washington's Birthday,	February 22
Patriots' Day,	April 19
Memorial Day,	May 30
Columbus Day,	October 12

From Wednesday noon before Thanksgiving the remainder of the week.

## SCHOOL SESSIONS.

High school: 8.30 a. m. to 1.30 p. m.

Grammar and Manual Training schools: Morning session 9.00 to 11.45 o'clock. Afternoon session 1.30 to 3.45 o'clock, without recess.

Primary and Kindergarten Classes: Morning session 8.45 to 11.45 o'clock. Afternoon session 1.30 to 3.30 o'clock. Recess in these classes for every pupil: 15 minutes in the forenoon, 10 minutes in the afternoon, as near the middle of the session as practicable.

In all other classes the session shall be prescribed by the Superintendent, subject to the approval of the Board.

OFFICE OF SUPERINTENDENT OF SCHOOLS.

166 William Street.

Office open 8.30 a. m. to 4.30 p. m., except Saturdays.

Saturdays, 8.30 a. m. to 11.00 a. m., 2.00 to 4.00 p. m.

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ALLEN P. KEITH, Superintendent.

Office hours, 8.30 to 9.00 a. m., 12.00 to 1.00 p. m., except  
Saturdays. Saturdays, 8.30 to 10.00 a. m.

JOSEPHINE B. STUART, Assistant Superintendent.

Office hours, 8.30 to 9.00 a. m., except Saturdays.

Monday, Wednesday, 4.00 to 5.00 p. m.

ELIZABETH B. TRIPP, Grade Supervisor.

Office hours, 8.30 to 9.00 a. m., except Saturdays.

Thursdays, 4.00 to 5.00 p. m.

Secretary to the Superintendent,

MARY P. CHASE, 338 Orchard Street.

Clerks.

CLARA S. BLAKE, 97 So. Sixth Street.

VIOLA C. MANSEAU, 30 Durfee Street.

ROBERT H. MURDY, 12 Spooner Street.

Inspector of School Property.

DANIEL H. FERGUSON, 563 Union Street.

Office hours, 12.00 to 1.00 p. m., except Saturdays.

Department Mechanic.

WILLIAM O. MARTIN, 209 Summer Street.

Janitor.

JOHN EGAN.

Attendance Officers.

JOHN S. SILVIA, 126 Campbell Street.

FRANCIS N. HOWES, 107 Sycamore Street.

RALPH COVILL, 159 North Street.

Office hours, 8.30 to 9.00 a. m., except Saturdays.

## SCHOOL BOARD, 1914.

CHARLES S. ASHLEY, Mayor, Chairman ex-officio.  
JAMES P. DORAN, Vice-chairman.

## TERM EXPIRES 1915.

Name.	Place of Business.	Residence.
Betsey B. Winslow,		315 County St.
Napoleon Beaulieu,	Nonquitt Spinning Co.,	29 Nye St.

## TERM EXPIRES 1916.

Name.	Place of Business.	Residence.
Caroline H. Wilson,		152 William St.
James P. Doran,	Masonic Building,	76 Bedford St.

## TERM EXPIRES 1917.

Name.	Place of Business.	Residence.
William B. Geoghegan,		47 So. Sixth St.
Clarence A. Cook,	Taun.-N. B. Copper Co.	277 Union St.

## SCHOOL BOARD, 1915

EDWARD R. HATHAWAY, Mayor, Chairman ex-officio.  
JAMES P. DORAN, Vice-chairman.

## TERM EXPIRES 1916.

Name.	Place of Business.	Residence.
Caroline H. Wilson,		152 William St.
James P. Doran,	Masonic Building,	76 Bedford St.

## TERM EXPIRES 1917.

Name.	Place of Business.	Residence.
William B. Geoghegan,		47 So. Sixth St.
Clarence A. Cook,	Taun.-N. B. Copper Co.	277 Union St.

## TERM EXPIRES 1918.

Name.	Place of Business.	Residence.
Anna W. Croacher,		325 Pleasant St.
Napoleon Beaulieu,	Nonquitt Spinning Co.,	29 Nye St.

## Teachers and Janitors.

IN SERVICE JANUARY 1, 1915.

	Principals.	Assts.	Clerk.
High school,	1	40	1
Elementary schools,	29	310	
Suburban schools,	2		
	Supervisors.	Assts.	
Music,	1	1	
Drawing,	1	1	
Manual Training,	1	3	
Cooking,	1	2	
Sewing,	1	5	
Penmanship,	1		
Grade supervisor,	1		
Physical director,	1	1	
Gymnasium asst.,		1	
Gymnasium pianist,		1	
Military instructor,	1		
Band and Orchestra director,	1		
Nurses,	3		
	Janitors.	Assts.	Eng. Asst. Eng. Firemen.
High,	1	*7	1 1 2
Elementary schools,	29		
Spare men,	4		
Suburban schools,	2		

\*Includes 6 scrub women.

### TEACHERS.

Following are the names of teachers who have resigned, have had leave of absence, and who have been appointed to the corps during the past year:

#### RESIGNATIONS, 1914.

Akerstrom, Lillian F.	Badger, Edith C.
Arey, Mary A.	Baker, Ethel A.
Ashley, Nellie E.	Barrows, Sarah D.



Boyd, Helen I.	Lane, Edna H.
Chandler, Ella C.	McAuliffe, Katherine T.
Collins, Sybil K.	Norcross, Olivia H.
Daley, Ethel M.	Osberg, Grace K.
Doyle, Mary E.	O'Toole, Florence H.
Eldridge, Paul R.	Owers, Mary B.
Ferguson, Jessie W. Burgess	Putnam, Elsie M.
Gardner, Grace B.	Quinn, Mary E.
Goggin, Walter J.	Riley, Mary C.
Hicks, Louise E.	Sherman, Emma J.
Holden, Eleanor K.	Thompson, Grace M.
Jones, Carolyn S.	Torreson, Ida E.
Kaiser, Arthur R.	Williams, Anne E.
Kateon, Margaret I.	Yates, Josephine C.

## LEAVE OF ABSENCE.

Gardner, Grace B.	Dexter, Anna I.
Parker, Dora	Moore, Kate
Downey, Elizabeth A.	

## APPOINTMENTS.

Allen, Lillie B.	Dorgan, Anna L.
Amidon, L. E. C.	Dow, Ralph P.
Arden, Lena K.	Driscoll, Catherine H.
Ayers, Margaret E.	Duarte, Isabel C.
Bayley, Charlotte C.	Dunn, Katherine A.
Belanger, Irene	Ewer, Ida C.
Belknap, Charlotte M.	Fenwick, Jane F.
Browne, Isabel S.	Fowler, Jessie A.
Brownell, Ruth	Frost, Emma T.
Burgess, Catherine	Hallett, Agnes L.
Carpenter, Antoinette A.	Harrington, Marion I.
Carroll, Helena F.	Harris, Lillian E.
Crowell, Blanche W.	Jaffray, George W.
Damon, Adeline C.	James, Mildred L.
Davies, Ruby E.	Kaiser, A. R.

Kelley, Elsie M.  
King, Hilda U.  
Lee, Bessie  
Libby, Esther E.  
McAuliffe, Katherine T.  
McCann, Ellen L.  
McDonald, Susan C.  
Morde, Ada  
Murphy, Helene A.  
Norton, Helen F.  
Newcomb, Teresa A.  
Parker, Elva M.  
Pierce, Laura M.  
Pommer, Alma L.  
Raymond, Lois  
Regan, Mary V.

Riley, Mae L.  
Riley, Anna G.  
Ring, Alice G.  
Rogers, Elizabeth  
Shea, Frank P.  
Shennan, Susan E.  
Stanton, Jane R.  
Stedman, Helen A.  
Sullivan, Agnes V.  
Sullivan, Anna C.  
Sullivan, Gertrude H.  
Sullivan, Isabella E.  
Sylvia, Mary G.  
Waters, Mildred L.  
Whittemore, Harry E.  
Wood, Beulah D.

NUMBER OF CHILDREN IN GRADES—SEPTEMBER, 1914.

AGE GRADES	5 yrs.	6 yrs.	7 yrs.	8 yrs.	9 yrs.	10 yrs.	11 yrs.	12 yrs.	13 yrs.	14 yrs.	15 yrs.	16 yrs.	17 yrs.	20 yrs.	ACCEL.	NORMAL	RETARD	TOTALS
8A								15	76	97	44	16	2	1	15	173	63	251
8B							4	87	130	86	26	8	2		91	216	36	343
7A							22	110	122	56	27	3			22	232	86	340
7B						6	77	149	137	68	9				83	286	77	446
6A						15	114	144	147	67	6	4			15	258	224	497
6B					1	50	167	164	140	53	15	3			51	331	211	593
5A					3	71	141	149	121	58	6		1		3	212	335	550
5B				2	23	194	169	137	109	29	5	1			25	363	281	669
4A				4	110	174	190	117	103	20	8	1			4	284	439	727
4B			2	26	276	208	128	99	58	24	3				28	484	312	824
3A			3	117	219	203	97	73	27	11	2				3	336	413	752
3B			41	363	234	143	72	42	32	5					41	597	294	932
2A		1	170	284	196	98	65	22	15	7	2				1	454	405	860
2B		42	483	278	138	54	26	15	11	4	1				42	761	249	1052
1A		280	387	166	72	37	20	10	3	4						667	312	979
1B	71	969	333	110	32	28	18	8	1						71	1322	197	1590
TOTALS	71	1312	1419	1350	1304	1281	1310	1341	1232	589	154	86	5	1	495	6876	3934	11405
PERCENT															4.3%	61.1%	34.5%	

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## In Memoriam

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*Member of the Board.*

MERTON L. HATHAWAY.

1910-1914.

*Teacher.*

MARJORY BONNEY.

1912-1914.

*Janitors.*

GEORGE K. DAMON.

1878-1914.

WILLIAM J. COCHRANE.

1895-1914.

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## Report of the Superintendent.

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TO THE HONORABLE SCHOOL COMMITTEE:

*Ladies and Gentlemen:*—I have the honor to submit the fifty-fourth annual report of the Superintendent of Schools of this city.

### THE INTERMEDIATE SCHOOL.

Among the leading questions discussed by all who are engaged in the administration of the public schools of today is the reorganization of the courses of study for the seventh and eighth grades of our elementary schools. Its advocates claim that our boys and girls between the ages of twelve and fourteen years should be given the opportunity to try themselves out along literary, commercial, vocational and agricultural lines. To accomplish this, courses would be offered allowing options as follows: Algebra and modern language, in the literary course; stenography and typewriting, in the commercial course; household and manual arts in the vocational course; and agriculture in the agricultural course. Opportunity should also be given all children between the ages of twelve and fourteen years, who have not succeeded in the regular grades, to take up special courses, especially adapted to their needs, in separate groups.

Such a plan would mean for us the bringing together of our two upper grammar grades into three buildings, one north, one central, and one south; a readjustment of our course of study; and the introduction of departmental instruction.

The opponents of this plan argue that every child has a right to a liberal education and any attempt to deny him this right should be condemned as un-American. It is also claimed that a child of twelve is too immature to make a judicious selection. The mistakes of older students in our high schools and colleges, in choosing electives, would seem to prove this assertion.

While the adoption of this plan seems to be the "up to date" thing to do, we are not at all sure that it will mark progress in education and justify the expense involved in its adoption. The scheme does, however, deserve careful study and thoughtful consideration by all interested in our public schools.

#### ORGANIZATION OF THE DEPARTMENT.

In view of this discussion it might be well to take an account of stock and see just what our public school system in New Bedford includes. The diagrams presented on the following pages will show our organization together with other educational activities.

In making the course of study for the elementary schools we have had constantly in mind the fact that about two-thirds of our children drop out of school before the end of the sixth year, and our aim has been to complete certain elementary courses at this time. Sewing and cooking for the girls and wood-working for the boys find a place in our elementary program. The aim in all the manual work is to make the instruction thoroughly practical in meeting local needs.

The special groups for non-English speaking children, planned for children who desire to secure work certificates, also send many children into the regular grades. The great good accomplished by our special groups for backward children and by our summer classes is no longer questioned, and both are fixtures in our system.

# ORGANIZATION <sup>OF THE</sup> NEW BEDFORD SCHOOL DEPARTMENT SCHOOL COMMITTEE

Mayor, Chairman ex officio.

Six members elected at large.

Superintendent of Schools

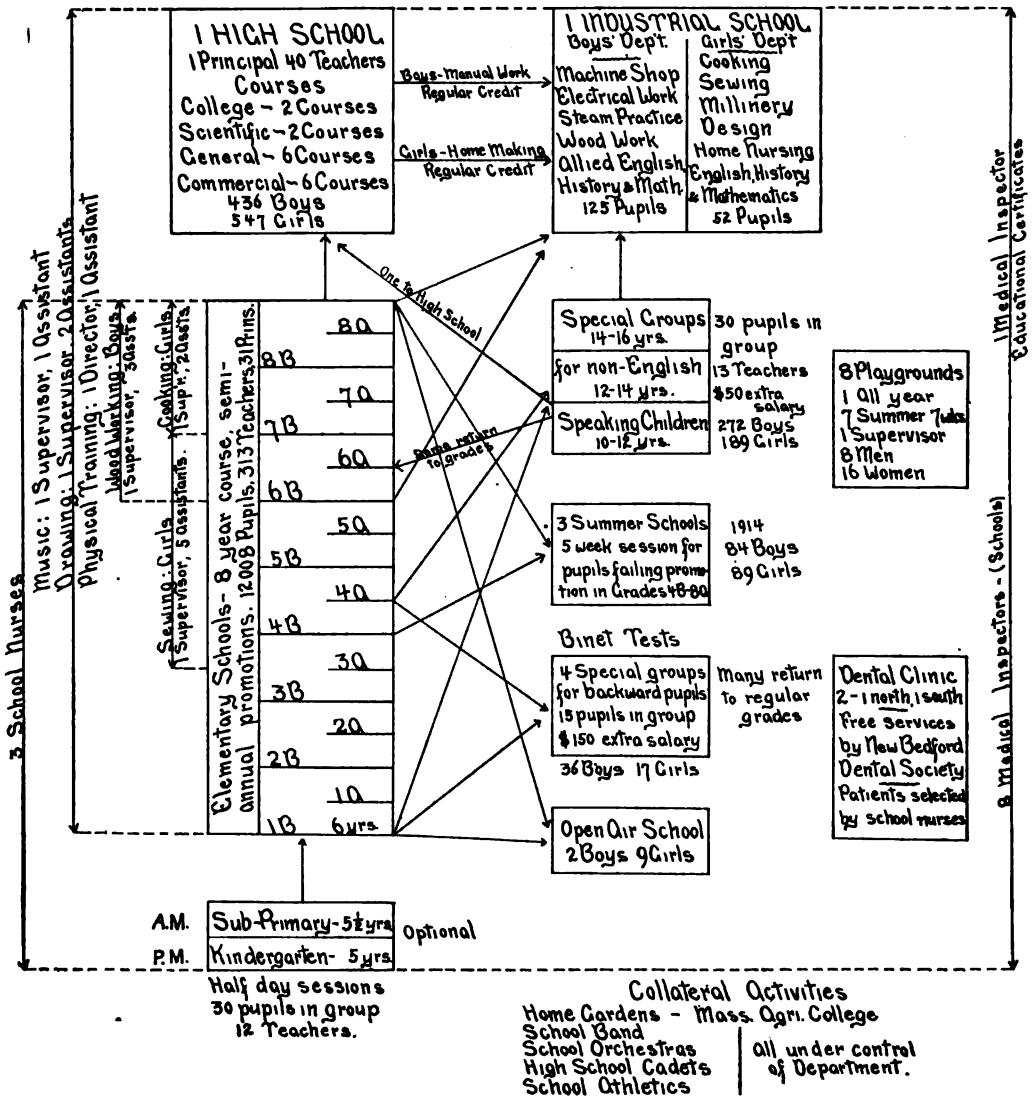
EDUCATIONAL: Assistant Superintendent EXECUTIVE-BUSINESS: Inspector School Property

Grade Supervisor

Department Mechanic

Three Attendance Officers.

CLERICAL: Four Clerks



# EVENING SCHOOLS

HIGH SCHOOL	
Commercial Courses	
Civil Service Courses as requested	
3 nights per week	
20 weeks per year	
15 Teachers	
265 Boys	
215 Girls	

INDUSTRIAL SCHOOL	
Wood Work	4 Centers
Machine Work	Cooking
Electrical Work	Dressmaking
Steam Practice	Millinery
Gas Engine	17 Teachers
Auto Repairs	540 Women
Plumbing	
26 Teachers	
283 Men	

ELEMENTARY SCHOOLS	
6 Centers	
2 nights per week	
20 weeks per year	
Classes for non-English Workers.	
Graded Elementary Classes	
Civil Service Classes	

# OTHER EDUCATIONAL ACTIVITIES

TEXTILE SCHOOL	
Supported by State and City	
Tuition for pupils outside State	
Day Diploma Courses - 3 yrs	
Cotton Man'g	
Chemistry & Dyeing	
Designing	
Knitting	
Latch Needle Underwear	
Seamless Hosiery	
Special Certificate Courses	
36 Evening Courses	
1336 Men 1914-1915	
Cooperative Courses for High School Boys	

PUBLIC LIBRARY	
Sets of 50 books in	
161 school rooms	
Circulation 1915 - 109,551	
Teachers' Room and Pedagogical Library	
Special privileges for Teachers	
Thousands of pictures	
Juvenile Room	
Free lectures in High School Auditorium	
22 in 1913-1914	

SWAIN FREE SCHOOL OF DESIGN	
Supported by Endowment	
Day and Evening Classes in Painting	
Design	
Modeling	
Architecture	
Evening classes open to teachers	
Saturday morning class for school children	



The open air school at Sassaquin has been a success from the beginning. The pupils in this class live at the sanatorium and are under the constant care of Dr. Remick and his assistants. The teacher is thus left free to devote all her time to character building and instruction. With the completion of the proposed new building we will have an excellent school equipment under almost ideal conditions.

Two completely equipped dental rooms have been opened during the year, one north, at the John H. Clifford building, and one south, at the Robert C. Ingraham building. The New Bedford Dental Association furnishes the dentists and the children needing treatment are selected by the school nurses. A great good has been, and is being accomplished through this agency.

Medical inspection has done much to increase the efficiency of the schools by searching out contagion and suggestion for prevention of disease. The work has been handicapped by lack of rules and regulations, and it is earnestly hoped that this defect will soon be remedied. The medical inspection is under the direction of the Board of Health and I am glad to report that both the Board and the inspectors have always shown a spirit of helpfulness and co-operation.

Home gardens under the direction of the Massachusetts Agricultural College are carried on and in October creditable exhibits were made at the Wm. H. Taylor and Thomas R. Rodman schools.

Several of our grammar schools support school orchestras. These organizations own many of the instruments which are used by the children, earning the money by means of concerts, which are always well patronized. About three years ago a school band was organized. Under the leadership of Clarence W. Arey it has progressed until it is at present one of the best marching bands in the city. The high school orchestra numbers forty pieces, and its high standing as one of the leading musical organizations of the city is generally recognized. The high school orchestra and the school band are supported by the department.

The curricula at the high school have been revised and in addition to the curricula formerly offered we have added a curriculum for girls with no requirements in mathematics, but strong in practical science. The commercial curricula offer short courses in business subjects for those pupils who cannot attend high school for more than one or two years. The college curricula have been arranged to reduce the amount of home work required and to give to the courses more time in school under the direction of the teacher. These additions and changes are the direct result of criticisms by leading educational authorities, business men, and parents.

The industrial school is having its most successful year, having registered over one thousand pupils in its day and evening courses.

A new course of study in geography has been prepared under the direction of the assistant superintendent, Miss Stuart, during the past year. This course is based on the "Needs of Mankind" and is creating a deeper interest in this subject than has been evidenced before. The course aims at real social service.

### VENTILATION.

The new plan of ventilating the school buildings at regular stated intervals by throwing all doors and windows open has proven successful and teachers, who were at first skeptical, are now enthusiastic in their endorsement of the rules. The aim is to get fresh air into the rooms and then to keep it fresh during the session. Teachers soon discover a great change for the better in the work of the pupils when the air in the room is comfortable and invigorating.

### MEN'S WEEK.

Near the close of the spring term the following invitation was sent out:

## NEW BEDFORD PUBLIC SCHOOLS.

## MEN'S WEEK.

MONDAY, JUNE 1 — FRIDAY, JUNE 5, 1914.

With the approval of the School Board, the principals and teachers of the public schools and the Superintendent thereof extend a cordial invitation to all men of the city to visit schools during the week indicated above. While visitors are always welcome, the men of the community have not seemed to fully appreciate their responsibilities; hence this special appeal. Nothing unusual will be attempted during the week now in question. Our invitation includes men having no children in the schools, as well as those whose households are represented, nor will women be less welcome than at other times.

As a result four hundred eighty-three men visited our schools and inspected the work, thus getting acquainted with the teachers and principals. While this number may seem small to the citizens of New Bedford, to us, it is very large and warrants the continuance of the plan.

## NO SCHOOL SIGNAL.

The custom of having a no school signal is peculiar to a few cities and towns of New England and still prevails in New Bedford, much to the perplexity of the superintendent of schools. I am firmly of the opinion that the parent, who decides the question in fair weather, should decide whether or not the child should go to school in case of storm. The cost of the elementary schools is nearly \$2,000 per school day and we need every session in order to do the work planned in our course of study. The school buildings should be open to the pupils on every school day and the responsibility for the attendance of the child should rest where it belongs, on the parent.

## REPORT OF PROMOTIONS.

At the close of each term teachers are required to file a report showing the number of pupils in the class, the number regularly promoted, promoted on probation, and not

promoted. In case of failure a reason must be given. These reports have been effective in preventing unnecessary repetition through very careful consideration of every case of non-promotion. The principal, superintendent, and assistant superintendent, often take part in the discussion, and many pupils are given an opportunity to try the work of the next higher grade as a result of such conferences and reports. The system has certainly been of great value in reducing the percentage of failures. Following is the report for the term ending June 26, 1914:

	No. in Class	No. Promoted on Probation	No. not Promoted	Per Cent not Promoted
Grade 1 B	1029	16	277	26.9
1 A	1159	40	226	19.5
2 B	848	28	121	14.2
2 A	900	39	113	12.5
3 B	841	30	69	8.2
3 A	857	52	77	8.9
4 B	724	21	61	8.4
4 A	708	49	76	10.7
5 B	574	43	72	12.5
5 A	617	46	66	10.6
6 B	522	33	68	13.0
6 A	492	30	69	14.0
7 B	385	31	45	11.6
7 A	370	21	27	7.2
8 B	255	6	21	8.2
8 A	306		25	8.1
Totals,	10,587	485	1,413	13.3

Pupils in Special classes not included in above table.

## RETIREMENT OF MISS WINSLOW.

At the close of the year Miss Betsey B. Winslow voluntarily severed her connection with the Board, after a continuous membership of thirty-eight years. Several years previous to her election to the School Committee, Miss Winslow was a successful teacher in both the elementary and high schools. For over half a century Miss Winslow has faithfully and efficiently served the city, and her decision to retire is regretted by all who have served with her in the education of the youth of the city. Ever a friend of the children, it has been her good fortune to see many boys and girls successful in the business and professional life of the city, and in their success she has not been forgotten. I am sure that I voice the sentiment of the citizens, teachers and pupils, in trusting that the future may be full of peace and prosperity for her.

## RETIREMENT OF TEACHERS.

The new teachers' pension law went into effect July 1, 1914, and at that time the following teachers were retired: Allen F. Wood, principal of the Fifth Street school from 1872 to 1914; Lydia A. Macreading, teacher at the Fifth Street school, in service from 1858 to 1864, and from 1878 to 1914; Jane E. Gilmore, principal of the Isaac W. Benjamin school, in service from 1867 to 1914; Agnes J. Dunlap, principal of the Cedar Grove Street school, in service from 1874 to 1914. On November 14, Mary E. Austin, teacher of history in the High school from 1874 to 1914, was retired.

In the retirement of the above named teachers New Bedford has lost five instructors from its corps who had grown in teaching strength during their entire period of service, and were rendering an excellent account of their stewardship at the time the law went into effect. The term of service of each shows the pension to be deserved, and the best wishes of the community go to them in their well-earned rest.

## BUILDINGS.

At the opening of the spring term the new Katharine Street building was opened, every one of the twenty rooms being occupied, and the congestion in the neighboring schools was relieved. We vacated one portable school only, and this was immediately moved to the Parker Street lot. The same crowded conditions in the extreme south end have prevailed during the past term, and the city should at once acquire land for a building in the neighborhood of Brock and Ruth avenues. At the north end we also need additional accommodations to relieve crowded conditions at the Abraham Lincoln and Phillips Avenue schools. This building should be located to the east of Acushnet avenue, about opposite Brooklawn Park. There is immediate need of two more portable buildings, one at Clark Street and one at Phillips Avenue, and these should be available for the opening of the February term.

Plans and specifications for the remodeling of the old high school building on Summer street have been prepared in the office of the Superintendent of Public Buildings, and we hope that immediate action will be taken by the new city government, that the building may be made available as quickly as possible. With the contemplated addition this building should take care of the needs of the centre and west end of the city for several years. A visit to the Middle Street building will convince the most skeptical of our citizens of the immediate need of new quarters for the school.

## REPAIRS.

The Inspector of School Property has been endeavoring to put the buildings of the department in first class condition, but with the small appropriation of the past two years it has been possible, in many cases, to make only temporary repairs and consequently his plans have received a serious set back. If the usual business policy is followed, it may

be possible, in the future, to save some money in this account, and it is hoped that the request of the department for a larger appropriation this year will receive favorable consideration. The present course is decidedly wasteful.

The school is for the pupil, with equal rights and privileges to every child. The aim is to make strong men and strong women both in body and mind. Success will come to us in this work only as we respect the child and get into sympathy with him. In our earnest desire to serve the children of New Bedford we may make mistakes, but they are of the head, not of the heart, and as we take up the problems of the future let us remember that the successful man is not alone the man of ideas, but the man who allows ideas to get hold of him.

Respectfully submitted,

ALLEN P. KEITH.

## Report of the Assistant Superintendent of Schools.

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MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

*Dear Sir:*—In accordance with your request I herewith present the ninth annual report of the assistant to the superintendent and supervisor of primary grades, the duties of which have now merged into those of the assistant superintendent of schools.

### THE LOWER GRAMMAR GRADES.

Though the work of closer supervision in these grades was interrupted by the prolonged illness of the supervisor yet definite results may be recorded. The most important work of the year has been the revision of the course in geography, a revision which has made fewer changes in the subject matter to be taught in each grade than in the aims and methods of teaching. While attempting to outline these aims clearly and definitely and to direct the work toward a study of the physical conditions, resources, productions, occupations, and industries which supply the needs of mankind—including other than the merely physical needs—the course gives the teacher much freedom, not only in choice of methods but also in choice of subject matter.

### THE PRIMARY GRADES.

The schools having primary grades (including kindergarten and sub-primary classes) have been confronted with an unusual number of resignations and transfers. The re-



tirement of the principals of some of the larger schools led to the promotion of other principals, these transfers affecting nearly forty per cent of the schools having primary grades. The resignations of several grade teachers, leave of absence for others, and the opening of new rooms led to changes in the teaching corps which have affected over thirty per cent of the rooms in these grades, while fifty per cent of the sub-primary and kindergarten grades and forty per cent of the special classes were affected from these causes. Fortunately the number of changes due to resignations was comparatively small but these included some expert teachers in each grade.

Such wide-spread changes must necessarily increase the work of administration and supervision and for a time at least affect the uniformity of aim which a fairly large system makes advisable. The increasing sense of responsibility shown by the principals has helped to hold the work up to standard and the earnest efforts of the grade supervisor have done much to keep up the general standard of efficiency throughout the primary grades and have been specially helpful to the teachers who were unfamiliar with the course of study for this city and needed help in adapting and applying it.

#### A LOCAL SURVEY.

The survey begun in the primary grades in September, 1913, gave some unexpected results. The plan adopted was not compulsory but was intended to encourage each school and each teacher to survey the aims as well as the results of the work in his or her own department or class-room. Every teacher was invited to preserve and mount in albums one paper from each written exercise during the term. This plan which gave the teacher an opportunity to view her work as a whole also gave the supervising force an opportunity to inspect, not only the amount and the quality of daily written work required by the teacher, but her plan of work, her logical development of a subject, her interpretation and

adaptation of the course of study, her standards in such matters as length of lesson, amount of drill needed, technical points to be emphasized, and other matters which an occasional inspection of her work could not reveal.

Although the purpose of the survey was explained in the meetings with teachers and with principals, yet in some cases there was failure to grasp the idea that a survey was intended and that its purpose was primarily to help each teacher to find and to correct any weakness that might exist, that the aim was to discover and to rectify the mistakes in our work rather than to display only the best. In consequence of the failure to grasp this purpose some schools presented "exhibition work" which in their case not only defeated the aim of the survey but failed to bring them the credit which in many cases would have resulted if they had followed the suggestions furnished for making the survey.

To counteract the natural and often unconscious tendency to select only the best papers and to give more attention to that section of the class from which good papers could be secured, the teachers were also asked to present a full set of first draft papers in each subject, thus showing the work of the average pupil and of the poorer members of the class as well as the work of the more gifted. Since both sides of the paper were to be used before mounting, the plan entailed no waste of school material. And since the albums were easily made from inexpensive paper furnished by the department and the teacher was encouraged to allow the more dexterous pupils to mount the work no great demands were made upon her time. If the effect would be somewhat impaired by the pupil's lack of skill in mounting this would be offset by his gain in efficiency, and as the album was not presented as exhibition work the main purpose was not in any way affected by the pupil's skill or lack of skill in mounting the papers after the teacher had arranged them.

The large number of teachers who followed the directions intelligently—and in some cases with enthusiasm—furnished a mass of evidence that the course of study is being applied

"with brains," and that the opportunity it furnishes for individual freedom and initiative is appreciated and utilized. The results of even this incomplete survey are noticeable in a quickened sense of responsibility, a wider knowledge of the aims of the course of study, a broader conception of what supervision means, and in not a few instances a decided improvement in the quality of the teaching.

### CLASSES FOR BACKWARD AND DEFICIENT CHILDREN.

Nearly six years ago, in February, 1909, our first class for backward and deficient children was established. Since then the number of classes has increased to five, scattered about the city to accommodate its needs. In the minds of some people there still lingers the idea that these classes are intended for the instruction of any pupil whose intelligence is below normal and it is hard to convince them that the teaching here is not adequate for and makes no provision for the instruction of idiots and imbeciles which can best be given at the institutions provided by the state. When these unfortunate children are debarred from entering such institutions they can usually receive more help and training from their intercourse with and imitation of the normal pupils in the grade than they can gain from the individual instruction in the special class, since here each pupil must be thrown upon his own resources and can receive but little help from imitation, that great instructor in the early years. As their presence is less of a menace to the normal child in the grades than it is to the deficient child in the special class (and it is not a negligible fact in either case) it is often better to allow such pupils to remain in the grades, permitting them to advance with the class whenever the change will be for their good.

The teacher of a class for backward and deficient pupils has two distinct problems, (1) to furnish the retarded pupil such instruction as he would have received if his school course

had not been interrupted, and (2) to adapt her instruction and training to the weaker intelligence and weaker energy of the mentally deficient pupil. When the retarded pupil is ambitious, physically strong, and of even average mental ability, his progress in these classes is usually good and sometimes extraordinarily rapid, especially in cases where the retardation was due to poor early teaching or to physical defects, eyesight, hearing, adenoids, etc., which have been remedied since his admission to the class. The rescue of these stranded pupils is an important phase of the service rendered by the school system. The accompanying statistics relating to the first three classes established in this city show that these retarded pupils furnish fifty-nine per cent of the entire enrollment of these classes and that fifty-six per cent of these retarded pupils (or thirty-three per cent of the entire enrollment) have been returned to the grades.

The training given the mentally deficient child is of far more value than the mere instruction he receives in these classes. It is now well recognized that the greater number of paupers, inefficient sub-standard workers and criminals are recruited from the groups classified as morons. The individual moron may be well equipped along some lines, but there is always lacking that grasp and poise which enables him to meet the mental and moral requirements of life. These people are inclined to blame their associates, their relatives, their employers, and society at large for their lack of success, and one of the aims of the teachers of these classes is to help their pupils to recognize without discouragement or bitterness the limitations imposed by their mental equipment and to inspire them to do well whatever they can do. The teacher also aims to secure as much intellectual progress and manual skill as the pupil's mentality will permit, to establish habits of industry, and to furnish the encouragement and sympathy which are indispensable in helping these children to become law-abiding, self-respecting, industrious members of the community even if they cannot become efficient citizens.

The after-school history of some of the pupils transferred to these classes six years ago shows that to an appreciable extent this aim has been fulfilled in the lives of more than one. The training in self-control and self-respect as well as the training in habits of work and the development of some manual skill enabled them to secure and to keep positions which would have been closed to them without this teaching.

One of the difficulties we meet in these classes is the danger that the sympathy and devotion which are an essential element in all our intercourse with these pupils will lead us into the philanthropy which means almsgiving rather than that which means help. We are apt to lose sight of the fact that these classes are not established as a philanthropic measure, though they would be a worthy object, but as a part of the regular business of education and to carry out the work which cannot be accomplished for these pupils in the grades. As a part of the school system supported by the public funds these classes are entitled to the share that is needed to accomplish the work. This has been recognized by the school authorities here and no needed equipment has been withheld. We have also been fortunate in securing a respectful and friendly public sentiment toward the work and toward the children enrolled in these classes.

This absence of stigma and the abundant provision made for useful and attractive hand work, combined with the almost inexhaustable patience and sympathy of the teachers in charge, have made these classes very happy places for the children who attend them. These pupils are not slow to recognize that they are specially favored in the matter of generous provision for their training in hand work, and the frequent donations of similar attractive material from friends of the teachers and the practice of allowing the pupils to claim ownership in the products of their industry have made them feel that it is very profitable from a material point of view to belong to the class. When affection prompts them they are ready to give away these products with the generosity which is a characteristic trait of the sub-normal individual,

but we begin to notice that this liberal equipment may help to develop a trait equally characteristic, and in an attempt to control this to some extent yearly sales of the pupils' work have been instituted. Last year the purpose of the sales also included the motive to supply additional material for the use of the class but as this conflicted in some cases with the other results aimed for this motive has been abandoned and in future the sales will be held for the sake of the training which can be given the pupil through this means, but no special effort will be made to secure large sums in this way.

But few ways of earning a living are open to the mentally deficient and mendicancy is the door which stands widest open. The inefficient worker learns to depend upon the plausible tale which will procure the means to supply his wants and our tolerant acceptance of the lack of effort on his part because of his mental deficiency leads but to greater weakness. He needs to be trained to do well the little that he can do and to be trained in habits of industry and in the self-respect which incites one to make an effort to earn what one receives. The conditions for giving this training are unusually favorable in the special classes when the teacher is awake to her opportunity and to her responsibility in this matter.

During the past year the following question has been asked by more than one, "If training in hand work is specially valuable for these children why should not the school department furnish as much material as the pupils can use, and if the normal child in the grades is allowed to own and to take home the products of his handwork why should it be denied the pupil in the special class?" The possession of the results of one's labor is a legitimate stimulus to further labor and it has been furnished the pupils of the special class by allowing them to own the first article of each kind they make. If they desire to make more than one of the same kind they may own that also by paying for the small cost of the material used. Even this would not be necessary if the child's output were likely to be no more than the limited amount of handwork accomplished by the normal

child in the grades. But the Binet-Simon tests applied to the pupils in our special classes indicate that not a few of the children are high grade morons and these are capable of making many articles when the hope of gain prompts them to industry. We should not let the pupil lose sight of the fact that training is the product the school department offers through this work and that the school officials willingly furnish all the material needed for training. But we should also bear in mind that we have no right to demand more than this from the tax-payers however much our sympathies may be aroused, and to allow the pupils to continue to make these articles at the public expense after they no longer need the training it furnishes is not a wise use of even the small sum it may cost, unless the article made after this skill has been acquired can be used to furnish further training.

This additional training may be moral or social instead of manual and calls for a different disposal of the article. It may mean donating it for the use of the class, presenting it as a gift to some one outside the class to show esteem or appreciation of favors received, or offering it for sale for the benefit of the class. In each of these cases the pupil's voluntary acquiescence in this disposal is necessary if the desired training is to be secured and usually the suggestion determining the disposition of the article should come from the pupil who has made it. Too much emphasis cannot be given to the idea that the pupil's chief aim in the hand work should be to learn how and that knowing how is his reward for the effort he makes in school.

For this reason it is not profitable to allow these classes to take orders for articles, for usually the pupil who has skill enough to make more than one salable article of a kind needs no further training or practice along that line and should spend his time learning how to do something else. Much emphasis is also placed upon the fact that a pupil should not be allowed to attempt work so far beyond his powers that a fairly good result is out of the question. If close supervision is given by the teacher good standards of

work can be maintained and one of the most important aims in training these pupils is to teach them to measure their work by accepted standards and to make an effort to reach these standards through work that is within their capability.

One of the purposes of the sales held for the benefit of these classes is to give the pupils the confidence and encouragement which come from being measured in the open market and found capable. The prices placed upon these articles should not be above the value of the article or the current price of those of equal value purchased elsewhere. If these sales are made charity sales we lose not only the benefit just mentioned—the confidence and encouragement gained by meeting the test for good work—but we fall into the pit we have been trying to avoid, the tendency toward mendicancy.

A glance at the statistics previously referred to will show that the different aims in the disposal of the results of the pupils' hand work were fairly well distributed. The pupils' ownership of so large a number of the articles made would indicate that the development of habits of industry and manual skill was the controlling aim in a large number of cases, since many of the workers were just beginning their course in hand work.

The prominence given to hand work is not allowed to overshadow the instruction in book knowledge which it supplements. Each child is required to accomplish something definite in mental work every day and the pupils' written papers exhibited at the sales held the past year show that the mental side of their training is not being neglected.

The following statistics concerning the first three classes established may be of interest:



Total enrollment .....	174
No. of backward or retarded pupils.....	103 or 59 %
“ “ mentally deficient pupils.....	71 or 41 %
“ “ retarded pupils returned to the grades....	58 or 33 %
(56% of the total number of retarded pupils.)	
“ “ pupils who left to go to work.....	23 or 13 %
“ “ pupils who moved from the city.....	21 or 12 %
“ “ pupils transferred to state institutions....	4
“ “ deaths .....	2
“ “ pupils now in these three classes.....	45

The following is an estimate of the hand work accomplished during the past year under the instruction of the teachers of these classes and the teachers in wood working:

No. of baskets made.....	80
“ “ garments made .....	61
“ “ articles woven .....	152
“ “ chairs cane seated.....	3
“ “ articles made in classes in wood working.....	150
“ “ other articles made.....	104
<hr/>	
Total number of articles made.....	550
No. of articles given to pupils who made them.....	291
“ “ bought by pupils who made them.....	13
“ “ sold .....	177

No account has been rendered of the number of articles still on hand and ready for the next sale.

### CONCLUSION.

Many close ties have been severed by the retirement of principals and the resignation of teachers who have given earnest and efficient service and they take with them to their new work or to their well earned leisure the best wishes of all who have been associated with them.

In spite of many changes and of other serious interruptions to the work the year has been marked by a spirit of earnestness, loyalty, sense of responsibility, and individual effort on

the part of teachers and principals which cannot fail to result in a corresponding gain to the pupils in their charge.

In closing permit me to thank you and the school board. the supervisors and principals, the teachers and others connected with the department for the sympathy and good will which have enabled me to use to advantage whatever strength and skill I could bring to the service.

Respectfully submitted,

**JOSEPHINE B. STUART,**  
Assistant Superintendent of Schools.

## Report of the Principal of the High School.

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MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

*Dear Sir:*—In submitting my fifth annual report on the New Bedford High school, I believe it is my duty to give a few statistics regarding the growth of the school during the past four and one half years. The High school is growing so rapidly that I fear the citizens of New Bedford do not realize that the new building into which we moved two years ago is now too small to accommodate the pupils in accordance with the seating plan of the architect. We have been required to put double rows of desks in all the class rooms, and in the social hall on the third floor.

The official reports of the superintendent of schools show the growth of the school from 1888 to 1915. From the report of the superintendent of schools for the year 1895 I quote his words regarding the decreasing attendance at the High school.

“In my report of the schools for the year 1894 I called attention to the fact that the High school instead of increasing was actually decreasing in numbers. The decrease the past year was greater even than for the preceding year. The following table shows the attendance upon the High school for eight years past. No accurate data are available farther back than 1888.”

Year 1888, Enrollment,	466
Year 1899, Enrollment,	459
Year 1890, Enrollment,	477
Year 1891, Enrollment,	515
Year 1892, Enrollment,	507
Year 1893, Enrollment,	517
Year 1894, Enrollment,	510
Year 1895, Enrollment,	500

"It is not my purpose to attempt an analysis of the causes which have produced this condition; but it seems to me to be a condition that warrants thorough investigation by the Board. It ought to be definitely determined whether the course in the High School fails to meet the wants of a large body of our citizens, or whether the methods of instruction and government in any great measure fail to command the confidence of many parents, or whether the causes lie wholly without the school. The fact confronts us that the average daily attendance in the past year was the same as it was eight years ago, 51 less than it was in 1893, and 30 less than in 1894. The attendance in the lower schools on the other hand during these eight years has increased 51.7 per cent."

"The policy of the Board has been as liberal toward the school during the past year as during any—in fact, the cost of the school per scholar was greater the past year than in any of the seven years next preceding. It is therefore not retrenchment that has affected the school."

Omitting the figures for the intervening years, I give the enrollment for 1910, the year preceding my election to the principalship. The total enrollment for 1910 was 541. The increase from 1888, the year in which we have the earliest accurate data, to 1910, a period of twenty-two years, was 75 pupils. The increase from September, 1910, to the February term of 1915 is 559 pupils. The growth of the school during the four and one-half years, from September, 1910, to February, 1915, therefore, is seven and one-half times the growth during the preceding twenty-two years. It will be readily seen that the condition complained of in 1895 does not exist today.

We moved into this building in November, 1912. The building was originally designed to accomodate one thousand pupils. As the architects omitted science laboratories in their plans, it was necessary to take some of the class rooms for laboratories. This reduced the seating plan of the architects to 844 desks, arranged as follows—16 class rooms, with 49 desks each, 2 bookkeeping rooms, with 30 desks each.

We are compelled now to put double rows in each class room, to increase the number of seats from 49 to 56, to put desks in double rows in the hall on the third floor. The time has arrived to consider ways and means to provide additional rooms for High School pupils.

The following tables give the detailed statistics for the year September, 1913, to June, 1914.

**Pupils entering the High school — Sept., 1913.**

	Boys.	Girls.	Total.
From New Bedford schools,	70	84	154
From other schools in the city,	7	9	16
From schools out of the city,	4	5	9
	<hr/> 81	<hr/> 98	<hr/> 179

**Pupils entering the High school — Feb., 1914.**

	Boys.	Girls.	Total.
From New Bedford schools,	94	123	217
From other schools in city,			
From schools out of city,	1	1	2
	<hr/> 95	<hr/> 124	<hr/> 219

	Commercial Courses			General Courses			Technical Courses			College Courses			Total		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
11 Seniors	13	14	27	0	21	21	8	0	8	7	17	24	28	62	80
1 Seniors	12	7	19	0	17	17	11	0	11	11	14	25	34	38	72
11 Juniors	9	17	26	0	15	15	11	0	11	9	11	20	29	43	72
1 Juniors	14	15	29	3	22	25	8	1	9	12	15	27	37	53	90
11 Sophomores	19	20	39	6	33	39	3	0	3	31	20	51	59	73	132
1 Sophomores	32	42	74	1	25	26	15	0	15	19	19	38	67	86	153
11 Freshmen	40	35	75	13	30	43	26	0	26	45	18	63	98	83	181
1 Freshmen	47	66	113	5	25	30	26	0	26	22	36	58	100	127	227
	186	216	402	28	188	216	82	1	83	156	150	306	452	655	1007

That is, the total registration by courses was :

Post Graduates,	1
Commercial Course,	402
General Course,	216
Technical Course,	83
College Course,	306
	<hr/>
	1008

## GRADUATES, 1914.

	Boys.	Girls.	Total.
College preparatory course,	14	17	31
General course,	..	15	15
Commercial course,	10	13	23
Partial pupils (certificate),	3	5	8
	<u>27</u>	<u>50</u>	<u>77</u>

NUMBER OF PUPILS WHO HAVE LEFT THE HIGH SCHOOL  
DURING THE SCHOOL YEAR 1913-1914.

	Boys.	Girls.	Total.
Post Graduates,	..	..	..
II. Seniors,	2	4	6
I. Seniors,	..	3	3
II. Juniors,	3	4	7
I. Juniors,	2	4	6
II. Sophomores,	17	5	22
I. Sophomores,	16	10	26
II. Freshmen,	21	13	34
I. Freshmen,	14	9	23
	<u>75</u>	<u>52</u>	<u>127</u>

## CAUSES FOR LEAVING.

	Boys.	Girls.	Total.
Death,	2	1	3
Illness,	10	16	26
Needed at home,	..	11	11
Neglect of school work,	7	2	9
Trouble at school,	7	..	7
Went to work,	39	6	45
Moved from city,	5	4	9
Went to other schools,	6	6	12
Causes unknown,	2	3	5
	<u>78</u>	<u>49</u>	<u>127</u>

## GRADUATES ENTERING HIGHER INSTITUTIONS.

	Boys.	Girls.	Total.
Brown University,	1	2	3
Colby College,	..	3	3
Dartmouth College,	1	..	1
Defiance College,	1	..	1
Harvard University,	2	..	2
Holy Cross College,	2	..	2
Massachusetts Agricultural College,	1	..	1
Massachusetts Institute of Technology,	1	..	1
Smith College,	..	1	1
Wesleyan University,	1	..	1
Worcester Polytechnic Institute,	1	..	1
Bridgewater Normal School,	..	9	9
Rhode Island State Normal School,	..	1	1
Comb's Conservatory of Music,	..	1	1
	<u>11</u>	<u>17</u>	<u>28</u>

I believe we have maintained during the past year the same standard of scholarship, attendance, and discipline which has characterized the New Bedford High School in the past. Our pupils who have entered colleges, technical and professional schools, normal schools and business are doing satisfactory work. All of the higher institutions appear eager to receive New Bedford pupils.

Respectfully submitted,

G. WALTER WILLIAMS,

Principal.



## Evening High School.

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MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

*Dear Sir:*—I respectfully submit the following report of the Evening High School for the year 1913-1914:

The school opened on the evening of October 6 and continued for twenty weeks, closing on the evening of March 14. During the Christmas recess the school was not in session for a period of three weeks.

The total enrollment, 422, was twenty less than the year before, but the percentage of attendance was much better, being 74% as against 66% for the preceding year. Of the total enrollment 229 were males and 193 females, showing an increase in the proportion of male attendants. The Civil Service class continued to be very popular, and because of its size it was divided into two sections, one for beginners and one for those who had already taken one year of the work. This division proved very successful in the results achieved and will be continued in the future as long as the attendance warrants. Several members of last year's class passed the Civil Service examinations and are now holding government positions.

The demand for subjects other than commercial was rather light. As a consequence only one such class was formed. This was the class in mathematics and it was well attended and accomplished good results. The commercial classes, Bookkeeping, Stenography, Typewriting, Penmanship and Arithmetic, held their attendance as well as can be expected

in Evening School work and in many cases showed direct results in the bettering of the grade of employment of pupils.

On the whole the year appears to be the most successful in the history of the school.

Respectfully submitted,

A. R. DORMAN,  
Principal.

## Report of Supervisor of Drawing.

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MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

*Dear Sir* :—There has been no special change to record in the work of the drawing department since the report of last year. As in other years the supervisors have endeavored to correlate the courses of study. The new course in geography offers many opportunities, especially in the lower grades, for illustration and for constructive work.

It is often difficult for teachers to obtain illustrative material to put before their classes. The portfolios of drawing examples placed in the grammar schools have proved useful both in suggestion of subject and of treatment.

This year it would be well to place more emphasis on quick sketching. The pupil should be able not only to make the carefully finished detailed drawing, but should acquire the power to grasp essentials and by a few significant lines to make an expressive sketch. This ability is attained only by practice: it does not come with repeated slow drawing. Black-board sketching is helpful in acquiring facility and in gaining free, vigorous line.

In order to represent correctly the appearance of an object it is necessary to understand something of its construction. Along with pictorial representation is practised the constructive or working drawing, fact and appearance, each aiding the other. No representation is quite complete without color. It is everywhere about us and we are daily called upon to make choices of color, as in the selection of clothing, in the furnishing of our homes. It is needful therefore to know something

about the relations of colors and how to combine them harmoniously. It is necessary also to have some knowledge of elementary principles of design.

The purpose of the drawing course in the public schools is to cultivate observation and appreciation of beauty, to stimulate creative imagination, to give the hand the necessary skill to put these thoughts into visible form, to give some knowledge of elementary principles of design and harmony of color, and to make practical application of this knowledge in the affairs of daily life.

Miss Richardson and the writer heartily acknowledge the co-operation of their fellow-workers.

Respectfully submitted,

LUCY C. BEDLOW.

## Report of Supervisor of Music.

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MR. ALLEN P. KETH, SUPERINTENDENT OF SCHOOLS:

*Dear Sir:*—In compliance with your request I respectfully submit the report of the Supervisor of Music. As this work has been under my direction less than a year, I am unable to give you a comparison between this and former years, or speak definitely regarding the school music prior to last February, but must confine my report to a statement of conditions as they appear to me and offer such suggestions for the improvement and extension of the work as may seem best.

The program of a supervisor is not easily arranged. The varying number of rooms in the different buildings, the difference in the time given the primary and grammar grades, the necessity of avoiding conflicts with other specials, and the fixed hours at the High school, often prevent his making such a schedule as will contain evenly the same number of rooms per day, or to avoid waste time. However, the program has been rearranged this year both in the length of lessons and in their frequency, so that of the thirty-three different daily itineraries covered by this department, hardly one per cent. of school time is spent in travelling from one building to another. It should be stated, however, that this schedule is now at its maximum, and any increase in the number of rooms will necessitate a very radical decrease in the frequency of the special teachers' visits and in their efficiency. The practice in vogue in this and some other cities of having two or more classes together for music in grades where technical and individual work is attempted, does not give the best

results. At the present time there are twenty-three groups of two or more classes taken together, and with the exception of the eighth grades, where the work is of a different character, such combinations should be discontinued. To do this with the present number of special teachers, the smallest of any department, would so lengthen the interval between visits that the personal contact between the music teacher and the children would be largely lost, and his time in the school room of considerably less value.

In the lower grades the work is, as a whole, very satisfactory. There should be some form of printed music placed before the children before they see, for the first time, the books now in use in the third grade. We have placed in all class rooms memoranda slips that enable the special teacher to see at a glance the musical progress of the class, and to avoid loss of time in beginning the lesson. I regret to report that there is no regular time available for the special teachers to assist in the work in the kindergarten, sub-primary, and special rooms, where music is of considerable value. In the grammar grades, which are visited partly by the Supervisor, and partly by the assistant, the work is very good, and is the result of the years of careful training. We have tried this year to instill the principle that it is not the function of public school music to attempt to educate trained musicians, but to develop a general love for good music. Technical theory, that is not essential to the ability to sing good music readily, has little place in the class room. We have tried to adapt our methods to the great number who will go no farther with music as a study, rather than to those who may later pursue a musical career. The regular teachers who have had the music in charge have been very efficient, and to them should be given great credit for their interest and enthusiastic efforts.

In the eighth grades it is desirable that pupils should learn to sing with an accompaniment, as this is the nearly universal custom with adult choruses. Many of the well-known classics were intended by their composers to be sung with instru-

mental accompaniment, and to present them in any other way to the boys and girls, nearly always detracts from their beauty and educational value. This work cannot be done satisfactorily by a regular teacher, because of her regular duties, nor by an amateur pianist. At the beginning of the school term the School Board furnished this department with the services of a skilled accompanist, Miss Alice M. Craig, who, in addition to the weekly hour at the High school, accompanies on the piano such selections used in the eighth grades as are adapted to this purpose. In the allotment of one day per week at our disposal, we have been able to extend this plan to fourteen of the twenty classes, and I hope the time of the accompanist may be extended one-half day per week so that all eighth grades may have the same service. The increasing interest shown by the pupils in the music hour, and the effort made by the boys especially, seem to show that this plan is a wise one.

Music in the High school has not reached the place in importance that it should occupy, partly because of local conditions, and partly because of the general customs in High schools. At the beginning of the term, last February there were about ten per cent. of the pupils electing music. This has been increased during the year to about forty per cent., but according to the report of the United States Bureau of Education, this is still very much lower than the average for the larger cities. The small proportion of those who choose music is due to several causes. There are many who prefer to use the time for study, some who have come to regard music as purely technical, and have no appreciation of its practical value or social stimulus, and many, who, because of the ungraded nature of the chorus, and the necessity of using the same material over many times, fail to get the musical experience they desire. To these should be added a small number who are urged by their private teachers to refrain from singing except at such times and places as may be of material benefit to the teacher.

I would respectfully offer the following suggestions for raising the music standard at the High school. Music should be required of all pupils taking the Normal School Preparatory course. The chorus, now about four hundred, should be so divided that an advance chorus could be formed, open only to those completing the first year's work, or otherwise qualifying. This would solve much of the difficulty now encountered. Those who are now prevented by conflicting studies from electing music would have more opportunity to do so. It would greatly reduce the amount of new material required to equip a fair musical library for the school, and would make available many of the standard works now unsuitable for a chorus made up of parts of eight classes. Much of the lack of interest in school music would be overcome if pupils were not required to consider as a serious study, a work that they partly memorized, from singing it over several times previously. A small amount should be spent each term for new music until such time as there is on hand a sufficient number of musical selections to make such repetitions unnecessary.

Most schools of the size of the New Bedford High school have courses open to their pupils in Harmony, Appreciation, Musical History, or similar work under various titles, for which credit is given the same as for any other study requiring the same number of recitations and the same amount of home work. At the present time nearly all common occupations and most professions are considered in making a school curriculum, except music. I recommend that the subject of theoretical music in the High school be given serious consideration at this time.

An effort has been made this year to establish additional work for those musically inclined and having some ability in the form of glee clubs, under the direction and instruction of the Music Supervisor. This has met with some success, both with the girls and the boys, but has been in operation hardly long enough to show its real value. The senior class has also been giving an extra weekly period this term, after school



hours, to chorus work, but as nearly all of the class have had no music for four years, they can accomplish but little.

In conclusion, I would submit for your consideration the subject of credit, in the High school, under careful regulation and restriction, for music work taken under private teachers. Many young musicians have been compelled to abandon either their general education, or their musical training because school authorities will not properly recognize the time and study given to such work. While this plan has some objections, and might possibly be open to some abuses, yet there are no difficulties in its adoption in this city which have not been successfully overcome in other progressive places. This plan has been adopted by many cities and towns throughout the country, and has been sanctioned by law in several states. There is no reason to insist that careful, conscientious work, carried on under a well trained teacher, is not worthy of educational recognition and certification, under proper regulation, because it is conducted outside a school building, or at private expense. The fact that private teachers generally rate their pupils highly is not an objection to this plan, because the very fact that such special work is entirely elective and carried on in addition to the school work, presumes a particular ability of the pupil along this chosen line. Parents paying the teacher directly are more careful that the time for home study shall be used well, and the lessons have the individual attention of the teacher. Pupils under such conditions should do well. I would recommend that pupils of the High school, advanced music students, who do a required amount of home work and take a required number of lessons of a properly qualified teacher, at their own expense, be allowed credit of a reasonable amount toward a diploma, under such regulations and restrictions as the School Board may make.

Respectfully submitted,

HARRY E. WHITEMORE.

## Report of Playground Supervisor.

---

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

*Dear Sir:*—I herewith submit the report of the Supervisor of Playgrounds for the season of 1914.

There was a new scheme of work planned this year for the playgrounds and it was carried out to a certain extent with gratifying results. Games, drills and folk-dances were taught to children individually, who in turn would teach some intimate friend, and then they would teach someone else, and thus made the work an endless chain. After a number of weeks the children were massed together and worked happily in unison, because they had some knowledge of the work and each had a partner who had been selected at the beginning.

### GROUND.

I will again review my recommendation made in the report of 1911-1912 concerning the development of the grounds. The use made of the shelter house on the Hathaway ground by the mothers with small children shows that each ground, where there are no trees for shade, should have a shelter house. Many mothers in the localities of the grounds would spend much of their time with the children if they had a proper place to stay.

The experience of the Hathaway ground also proves that more space is a good thing. The Cedar Grove Street ground is too small to accommodate the number of children in that section; it is impossible to play games and do organized

work in a satisfactory way on account of the congestion. If there is any available property in that neighborhood which could be obtained it would be well to do so, as it is a neighborhood of children and a place where playgrounds are most needed.

### DIRECTORS.

It was a pleasure this year to have men as coaches who were older and more experienced. The children respected them, and as a result took more interest in the work. Their very presence and manner of handling the games and athletics inspired them. Some women are exceptionally well qualified for playground work and some are the extreme opposite. While discipline and executive ability are two great factors in this work, nevertheless we must not lose sight of the fact that we need people with knowledge, enthusiasm and love for it.

### FIELD DAY.

Field day this year was not as largely attended as usual, due to the fact that the weather was very unsettled. Folk-dances, games and drills were executed better than during any of the previous years, and it seemed to be due to the individual work which, though it did not present an organized appearance on the grounds, certainly did prove a success on field day.

The following program was given:

### MORNING PROGRAM.

Athletics.	50-Yard Dash.
100-Yard Dash.	Running High Jump.
Peg Race.	Running Broad Jump.
Standing Hop, Skip and Jump.	

## AFTERNOON PROGRAM.

1. (a) Bean Porridge Hot.  
(b) Lassie's Dance—Primary Children.
2. Free Hand Drill.
3. (a) Oxen Dance.  
(b) Trallen—Intermediate Children.
4. Couple Dance—All Classes.
5. Chariot Races—Girls.
6. Newcombe Games—Winner of North against Winner of South.

Both first and second baseball games were played, winner of North against winner of South.

I want to thank Mr. Keith for the interest he has taken in the work not only this year but all the past years. He has done all in his power to help make the playgrounds a success.

AMELIA E. ARMBRUSTER.

## Report of School Nurses.

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MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

*Dear Sir:*—In reviewing the work of the past year I find there are no extreme changes to report, but a steady carrying forward of the work with successful improvement.

Number of visits to schools,	532
Number of visits to homes,	496
Cases of defective vision,	88
Cases of adenoids operated upon,	65

A dental clinic is very much needed for the center of the city, but I appreciate the opportunities the other clinics afford us. I wish to thank the Tubercular Clinic, St. Luke's Hospital, City Mission, Charity Organization and the principals and teachers, for their helpful co-operation.

Respectfully submitted,

FLORENCE RICKETSON, R. N.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

*Dear Sir:*—The report of the School Nurse for the north end schools the past year is as follows:

Number of visits to schools,	323
Number of visits to homes,	452
Number of cases of defective vision,	51
Number of cases of defective hearing,	25
Number of cases of defective teeth,	244
Number of cases of adenoids and tonsils,	58

The number of cases that have received special medical attention, for the eyes, ears, throat, and teeth, the past year are as follows:

Defective vision,	20
Defective hearing,	6
Defective teeth,	244
Adenoids and tonsils,	24

The kindly co-operation of parents and physicians have made it possible for a large number of cases, not mentioned above, to receive good medical care, and results have been very satisfactory.

I extend to the teachers, principals, the superintendent, and to the various organizations, my grateful thanks for their kind assistance.

Respectfully submitted,

MARGARET J. DIAZ, R. N.

MR. ALLEN P. KEITH, SUPERINTENDENT OF SCHOOLS:

*Dear Sir:*—The report of the School Nurse of the south end schools for the past year is as follows:

Number of visits to schools,	386
Number of visits to homes,	774
Number of cases of defective vision,	116
The cases of defective vision that have been provided with glasses and have improved,	92
Number of cases of adenoids and tonsils, including defective hearing,	164
Number of cases operated upon and improved by operation,	89

There were eight orthopedic cases very successfully treated at St. Luke's Hospital.

The removal of the children with tubercular tendencies to open-air schools would be a benefit not only to the children affected, but to all children in the schools. Very satisfactory work is being done by the dental clinic.

I sincerely thank the superintendent, principals and teachers, also the Charity Organization, City Mission, and several private charities, for their kind co-operation.

Respectfully submitted,

THERESA M. McGRATH, R. N.

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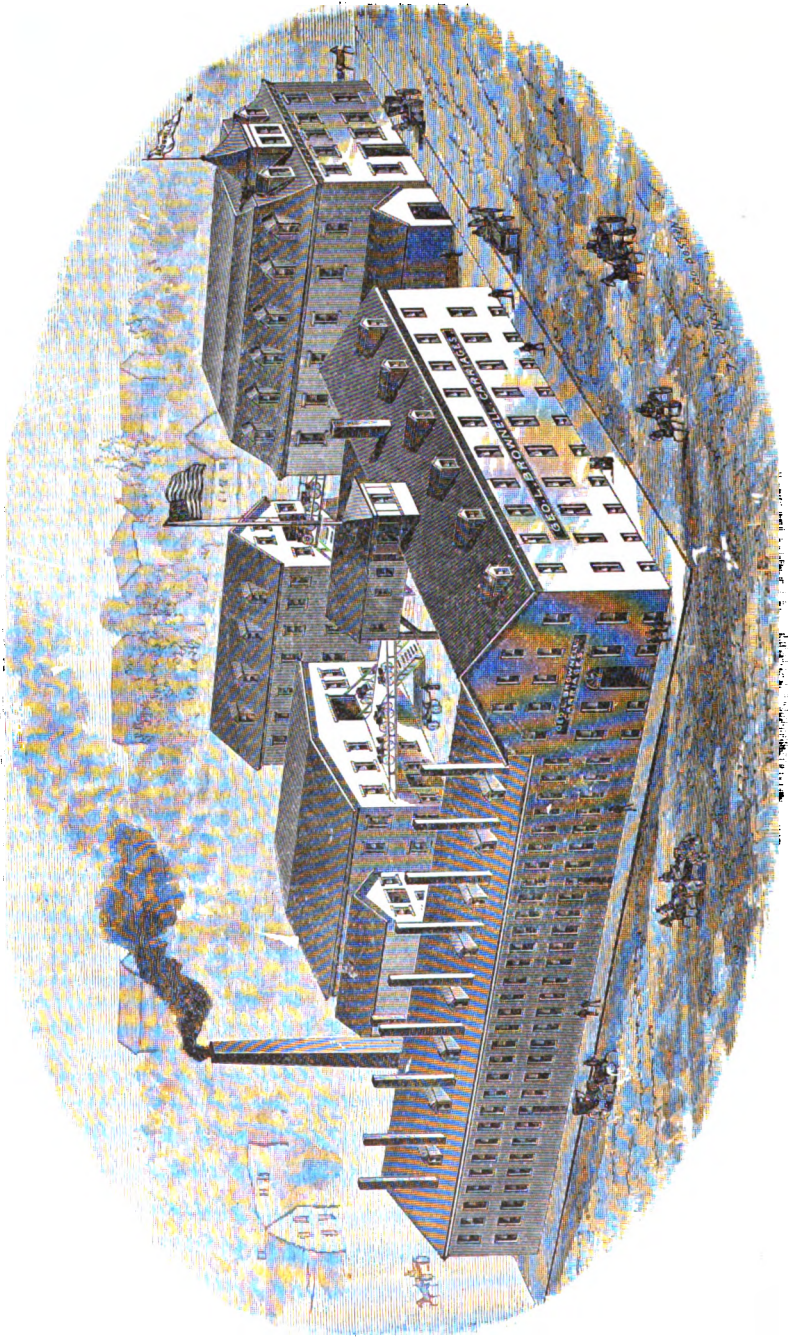
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THE SCHOOL PLANT

**REPORT**  
**OF THE**  
**BOARD OF TRUSTEES**  
**OF THE**  
**New Bedford**  
**Independent Industrial School**  
**FOR THE YEAR 1913-1914**

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**BOARD OF TRUSTEES**  
**EDGAR B. HAMMOND, Chairman**  
**ALLEN P. KEITH, Secretary**  
**FRANK S. TRIPP**                      **CALVIN T. BOSWORTH**  
**JOHN HANNIGAN**                    **PATRICK SWEENEY**  
**ROBERT L. BAYLIES**                **MRS. CAROLINE H. WILSON**  
   **DR. ANNA W. CROACHER**  
   **WILLIAM S. DAVENPORT**

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**NEW BEDFORD:**  
**NEW BEDFORD PRINTING CO., PRINTERS**  
**1915**

**COPY OF CITY ORDINANCE ESTABLISHING  
NEW BEDFORD INDUSTRIAL SCHOOL.**

**“ORDERED:—That an independent industrial school be and is hereby established, to be in charge of a Board of Trustees to be elected by the School Committee, who shall provide and maintain such school for the instruction in the principles of agriculture and the domestic and mechanic arts, as permitted in Chapter 505 of the Acts of 1906, as supplemented by Chapter 572 of the Acts of 1908, and for evening courses in such subjects for the benefit of persons already employed in trade; and, if deemed expedient by the said trustees, for the instruction in part time classes of children between the ages of fourteen and eighteen years who may be employed during the remainder of the day.**

**Such school shall be approved by the Commission on Industrial Education of the Commonwealth as to location, courses, and methods of instruction, before any money appropriated by the City for the maintenance of said school shall be expended, and all appropriations shall be expended with the approval of said Commission.**

**And the said Board of Trustees shall so conduct said school and do all things that may be necessary to entitle the city to be reimbursed by the Commonwealth the proportion of expense so incurred in the manner and amount provided by law.”**

**October 22, 1908. Adopted in concurrence.**

**October 23, 1908. Presented to and approved by the Mayor.**

**A true copy, attest:  
(Signed) DANIEL B. LEONARD,  
City Clerk,**

**ADVISORY BOARD**

**Boys' DEPARTMENT**

ZEBINA B. DAVIS	FRANK W. HATCH
GEORGE H. SISTARE	WILLIAM P. BRIGGS
LEONARD KLEEB	DAVID W. BEAMAN
GEORGE H. TRIPP	

**GIRLS' DEPARTMENT**

MRS. FREDERICK E. ALLEN	MISS SUSAN EMMOTE
MRS. JAMES L. HATHAWAY	MISS CELESTE THORNTON

**INSTRUCTORS, 1914.**

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**Day and Evening School.**

- ARTHUR S. ALLEN, 65 Hillman Street, Director.
- GEORGE W. G. POOLE, 47 Brigham Street, Head of Machine Department.
- CHARLES F. CHASE, 37 Madison Street, Instructor, Machine Department.
- OLIVER H. GARDNER, 48 North Street, Head of Carpentry Department.
- CHARLES A. WILSON, 174 Main Street, Fairhaven, Instructor, Carpentry Department.
- DANIEL FLOOD, 159 Newton Street, Instructor, Carpentry Department.
- H. PERCY ARNOLD, 26 Oak Street, Head of Steam Engineering Department.
- CLARENCE N. POTTER, 52 Fruit Street, Instructor, Steam Engineering Department.
- WILLIAM LAW, 473 Cottage Street, Head of Electrical Department.
- JOHN KNIGHT, 50 Tremont Street, Instructor, Electrical Department.
- NATHANIEL S. ROUNDS, 50 Tremont Street, Instructor, Electrical Department.
- RUSSELL B. LEONARD, 100 Oak Street, Teacher of Related Work.
- FLORENCE S. BLISS, 70 Mill Street, Assistant Teacher and Registrar.
- ELIZABETH C. JENKINS, 73 Borden Street, Head of Home-making Department.

MILDRED D. HORNE, 116 Sycamore Street, Instructor in Cooking.

MAE F. CHANDLER, 113 Sycamore Street, Assistant Instructor in Cooking.

ANITA JENNINGS, 300 Allen Street, Instructor in Sewing.

JESSIE S. WEAVER, 116 Sycamore Street, Instructor in Sewing.

### **Special Instructors.**

MARGARET J. DIAZ, Adams Street, Instructor in Hygiene.

LILLIAN M. BROWNING, 6 Green Street, Instructor in Millinery.

NELLIE F. DUNN, Fairhaven, Instructor in Sewing.

KATHERINE D. DUFFY, 39 So. Ash Street, Instructor in Sewing.

### **Evening School—Special.**

EDWARD E. CROMPTON, 85 Bay Street, Instructor in Machine Shop Practice.

ARTHUR C. TRIPP, 29 Cedar Street, Instructor in Automobile Repair Work.

CHARLES WOLFE, 19 No. Second Street, Instructor in Gasoline Engine Work.

CHESTER B. HAMMOND, 2 Smith Street, Instructor in Machine Drafting and Mathematics.

FRANCIS T. HAMMOND, 79 Mill Street, Instructor in Shop Drawing.

JOSEPH ECCLESTON, 9 Jenny Lind Street, Instructor in Steam Practice.

CHARLES I. TRAVERS, 18 Parker Street, Instructor in Steam Practice.

SYLVANUS MAKER, 27 Mulberry Street, Fairhaven, Instructor in Steam Practice.



JAMES F. MURPHY, 100 South Sixth Street, Instructor in Plumbing.

WILLIAM G. ASHLEY, 323 Summer Street, Instructor in Electricity.

ALBERT LEES, 53 Woodlawn Avenue, Instructor in Electricity.

MRS. OLIVER H. GARDNER, 48 North Street, Instructor in Cooking.

MRS. JAMES S. KELLEY, JR., 101 Chestnut Street, Instructor in Cooking.

MRS. MARY L. DOHERTY, 270 Allen Street, Instructor in Sewing.

MARGARET S. KEAVY, 38 Borden street, Instructor in Sewing.

MARY E. FURLONG, 181 Shawmut Avenue, Instructor in Sewing.

MRS. AGNES McNULTY, 63 Forest Street, Instructor in Sewing.

MRS. MARY P. McCARTY, 4 Arch Street, Instructor in Sewing.

MRS. MARY H. GLASGOW, 71 Bonney Street, Instructor in Sewing.

MISS KATHRYN R. HARRINGTON, 940 County Street, Instructor in Sewing.

MARGARET CHADWICK, 68 Linden Street, Instructor in Sewing.

MRS. KATHERINE V. RILEY, 558 Cottage Street, Instructor in Sewing.

MRS. MINNIE ROUSE, 28 Durfee Street, Instructor in Sewing.

MRS. HELENA A. WHALEN, 52 Locust Street, Instructor in Sewing.

RACHEL BERRY, 365 Pleasant Street, Instructor in Millinery.

MRS. LORETTA D'ANJOU, 197 Middle Street, Instructor in Millinery.

MARGARET V. SMITH, 67 Larch Street, Instructor in Millinery.

MARY E. YATES, 151 Merrimac Street, Instructor in Milinery.

**REPORT OF THE DIRECTOR FOR THE YEAR ENDING  
NOVEMBER 30, 1914, TO THE BOARD OF  
TRUSTEES OF THE NEW BEDFORD  
INDUSTRIAL SCHOOL.**

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This report covers practically the period from the beginning of the fall term in September, 1913, to the close of the fall term December 18, 1914.

**MEMBERSHIP.**

The following table gives for comparison the number of pupils in attendance at the school November 30, 1913 and November 30, 1914:

Boys' Day School.	Nov. 30, 1913.	Nov. 30, 1914.
Machine Department,	35	50
Carpenter Department,	32	34
Steam Department,	7	17
Electrical Department,	39	50
	<hr/>	<hr/>
	113	151
 Day Girls' Department,	 56	 54
Part Time Boys,	9	6
Part time Girls,	75	112
	<hr/>	<hr/>
	84	118

**Men's Evening School.****Machine Department.**

Machine Shop Practice,	30	32
Machine Draw. and Math.,	14	17
Auto. Repair Work,	41	17
Gas Eng. Work,	12	13
	<hr/>	<hr/>
	97	79

Steam Department,	Nov. 30, 1913.	Nov. 30, 1914.
Elementary Classes,	49	46
Advanced Class,	11	19
Day Class for night firemen and engineers,	14	16
Plumbing Classes,	23	31
	<hr/>	<hr/>
	97	112

**Carpentry Department.**

Roof Framing and Shop Drawing,	19	22
Stair Building and Pattern Making,	8	12
	<hr/>	<hr/>
	27	34

**Electrical Department.**

Wiring,	9	19
Central Station Work,	7	10
Armature Work,	10	13
	<hr/>	<hr/>
	26	42

**Women's Evening Department.**

Sewing—Industrial,	64	109
Knowlton,	101	84
Lincoln,	38	61
Congdon,	37	57
Ingraham,	73	47
Cooking—Industrial,	68	60
Millinery—Industrial,	58	61
Knowlton,	51	26
	<hr/> 490	<hr/> 505

**EQUIPMENT.**

During the fall term in 1913 the Board of Trustees made notable additions to the equipment in the Machine and Carpenter Departments, and in the spring of 1914 the boys in the carpenter shop built an addition to the Steam Department, 20' x 24', two stories high, and also raised the roof of that department to accommodate a new 100 H. P. upright boiler which was purchased and installed in the summer of 1914. The following is the inventory by departments under date of December 1st, 1914:

		Equipment Inventory.				Maintenance Inventory Shop	
	Bldgs.	Machines.	Furn.	App.	Tools.	Material.	
Machine Dept....		\$9,479.97	\$368.60	\$723.18	\$1,334.95	\$1,302.61	
Carpenter " ....		1,305.10	168.50	392.58	816.55	1,155.12	
Steam " ....	\$1,500.00	6,041.23	203.25	957.88	197.62	386.14	
Electric " ....		1,593.50	135.00	651.25	183.45	294.78	
Girls' " ....		1,015.50	993.72	1,709.91		148.61	
Adm. " ....		616.00	780.23	481.57		567.12	
	<hr/> \$1,500.00	<hr/> \$20,051.30	<hr/> \$2,649.30	<hr/> \$4,916.37	<hr/> \$2,532.57	<hr/> \$3,854.38	

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Total inventory \$35,503.92.

On June 26, 1914, the graduation exercises were held in the school building for the first time. Seats for the pupils and friends of the graduates were put into the restaurant in the Girls' Building, and the effort to have the exercises in our own room in spite of the lack of accommodations was justified by the result.

The speakers were Mr. Edgar B. Hammond, chairman of the Board of Trustees, who also presented the diplomas, and the executive officer, Mr. Allen P. Keith. Both speakers had a special message for the students that was not only helpful but inspiring. There were eleven graduates—diplomas were granted to seven, and certificates to four.

Since the opening of this fall term, the boys have finished a room in the north end of the second story of the administration building, put in special ventilation, indirect lighting fixtures, and seats for one hundred and thirty people. The windows are fitted with double opaque curtains, and a white curtain hung back of the platform so that illustrated lectures may be given during the day sessions as well as in the evening.

It is hoped that this hall may be used as a workman's extension center. The local branch of the National Society of Stationary Engineers have used it for a lecture and demonstration of some new types of safety valves for boilers, to which lecture the men in our Steam Classes in the evening school and the boys in the Steam Department of the day school were invited.

### MACHINE DEPARTMENT.

In the machine shop we have a good equipment and some progress has been made in raising the standards of efficiency and the quality of the product and the by-product. The product of our school is the intelligent, efficient workman, and the by-product the commercial work turned out by the pupils.

We have three teachers in this department and an average attendance for the year of 38 pupils; the present number enrolled is 50.

The most notable by-products are three 18" swing wood turning lathes with counters, two of which have been installed in the carpenter shop, and one sold for \$75.00 cash. There are under construction and 60% completed four lathes of the same type as above. All the working drawings, pattern work and machine work has been done by the boys in the carpenter and machine departments. A 20" wheel and lever feed drill press, the castings for which were purchased from Prentice Bros. Co., Worcester, Mass., is 60% completed.

In order to turn the column for this drill press, the head and foot stock of our Fay and Scott lathe had to be fitted with raising blocks 7" high to enable us to swing 44" in diameter, and the tool post and live center lengthened. Plans for these alterations were made in the drawing class, patterns for the castings in the carpenter shop, and the machine work done by a fourth year boy in the Machine Department. (See insert No. 4.)

The work in process at present besides that mentioned above includes: 2 upright engines 6 H. P. each, the castings for which were given the school by Mr. F. S. Tripp, ball and socket electric light fixtures for all machines, and six 14" swing, 7' bed engine lathes with double back geared head and taper attachment. The making of new machine tools and parts for other departments furnish considerable work for the boys. Work done during the year in this department for outside parties and for which we received cash or credit on the revenue account at the City Treasurer's office amounted to \$283.39.

#### CARPENTER DEPARTMENT.

The new equipment in the carpenter shop has been of great assistance there and the new floor has improved conditions wonderfully.

We have had three teachers in this department during the year and an average attendance for the year of 32 full time pupils and 8 part time pupils, all of the latter from the High school. The present enrollment in this department is 37.

Because of the fact that woodworking machinery runs at high speeds and is much more dangerous than iron working machinery, very careful oversight is necessary of boys on machine work in this department. The carpenter boys have put up a two story building with flat roof (see inserts No. 1 and No. 2), raised a section of the roof of the Steam Department one story and put on a monitor over the boiler with a sliding glass roof, built a new flight of stairs, and vestibule with double hung doors and side lights to the front entrance of the Girls' Building, and new door and side lights to the main entrance to the school (see insert No. 3). The most interesting and advanced patterns made in the shop have been those for the 18" swing wood turning lathes and counters for same with tight and self-oiling loose pulleys and hangers, and the bed pattern for the 14" engine lathes, the casting for which weighed 835 pounds.

The work in process or laid out for immediate attention includes alterations to the second and third floors of the south-east building for a gymnasium, all the outside work for which is completed and the inside 50% finished, fitting a permanent exhibition room in the main hall 50% completed, fitting a new class and cloak room in the Girls' Building, and completing the patterns for 14" engine lathe. The work done during the last year by the boys for outside parties and for which we received cash or credit on the revenue account of the city amounted to \$161.12.

### STEAM DEPARTMENT.

The Steam Department is a very useful part of the school, especially at this season, because we depend on that department for heat as well as for power and light for the entire plant. We have the services of Mr. H. Percy Arnold as head of that department for one-half of each school day and for two evenings per week in the night classes; he is also available for advice and consultation at all times. We have only

one full time teacher in that department with an average attendance for the year of 10 pupils. At present there are 18 enrolled.

The new upright boiler is in use and doing satisfactory work. All the work of running the boilers and engine, care of heating system for the whole plant, and operation of the producer and gas engine for electric lighting for the night classes is done by the boys in the Steam Department.

It has seemed wise to Mr. Arnold to recommend for employment a boy from his department as soon as he is prepared to pass the examination for a second class fireman's license. As a result, the boys do not usually remain longer than two years in that department.

After the close of night school in March, by previous arrangement with the engineers, the boys are sent, one at a time, to work one or two days in different plants, care being taken to so arrange the matter that each boy gets experience in handling the different types of boilers and engines.

### ELECTRICAL DEPARTMENT.

The most popular department in the school is the Electrical Department, and if all who desired to enter were accepted, the present enrollment would be considerably increased.

We have three teachers in that department and an average attendance for the year of 39 pupils. At present there are 50 enrolled.

The notable work done by this department during the past year includes the wiring in the basement of the Congdon school for the evening classes, the re-wiring of the restaurant in the Girls Building, the installation of indirect lighting fixtures and lights in the assembly hall and the main office, and the wiring of the evening school class rooms in the basement of the Lincoln school.

The care and operation of generators and switch board for lighting the plant both for day and evening schools is handled entirely by the boys.



The Electrical Department because of its special appeal to the inquiring "motor-minded" boys, shows most clearly the undesirable effect of the new Child Labor Law, on the enrollment in our several departments. Forty-three boys were admitted to the Electrical Department between September, 1913, and June, 1914, at which later date there were 26 of those boys remaining. Practically all of the 17 boys who had dropped out left to go to work as soon as they could secure legal employment.

Since the beginning of the present school year, no new pupils have been admitted to any department without information on the following points:

First. Economic conditions of the family.

Second. Reason for wishing to enter the school.

Third. Did the candidate expect to remain a sufficient length of time to receive some real trade training?

Effort has been made to have an interview with the parents in every case.

#### RELATED CLASS WORK.

The work in English is the same in all departments and is as follows:

First Year. Simple sentence structure, writing of reports, business writing.

Second Year. Civics, industrial history, current events.

Third and Fourth Years. Review of business letter writing and business transactions, including checks, contracts and deeds.

Throughout the course spelling is taught and is given special emphasis the first year. The mathematics is adapted to the need of each department and covers as follows:

**CARPENTER SHOP.**

First Year. Fractions, decimals, board measure, areas and volumes.

Second Year. Figuring of material for house, speed of pulleys, simple mechanical principles.

**MACHINE SHOP.**

First Year. Fractions, decimals, areas, volumes, simple shop formulae.

Second Year. Tapers, speed of pulleys, etc., screw cutting, simple mechanical principles.

**STEAM DEPARTMENT.**

First Year. Fractions, decimals, areas, volumes.

\* Second Year. Speed of pulleys, etc., simple mechanical principles, principles of steam generation.

**ELECTRICAL DEPARTMENT.**

First Year. Fractions, decimals, areas, volumes, wire computations.

Second Year. Wire computation, Ohm's law, speeds of pulleys, simple mechanical principles.

The work for the third and fourth year boys in all departments is the same as follows: Solution of right triangles; solving of equations—formulae; applied mechanics—forces—moments, stress, strain, and strength of beams.

The drawing for the first year boys is done in the departments and consists of sketches and drawings needed by the boy in his work. In the drawing classes, the work begins with lettering, geometrical construction problems needed in the trades, detail drawing of machine parts and house plans. The work for each boy is connected with his shop work, for example, the carpenter boy doing the house plans, the electrical department boy doing some work pertaining to motor

construction, and the machine shop boy drawing lathe parts.

The related class work is under the direction of Mr. Leonard, who is assisted by the instructors from the other departments. Miss Bliss teaches the English courses, where her influence has been found to be very beneficial.

The first year boy has about 15% related class work while the second, third and fourth year boys have about 33%.

### GIRLS' DEPARTMENT.

The Girls' Department has been completely reorganized under Miss Elizabeth Jenkins, who was appointed head of that department September 1, 1914.

In October, 1913, Mrs. Eva W. White, agent of the State Board of Education, notified the Director that our Girls' Department could be approved by the State Board for reimbursement as a homemaking department but not as a trade department, and it was suggested that we discontinue the trade courses as soon as possible.

With the graduation of the four girls who finished the two years' trade course in June, 1914, the trade courses terminated and the Girls' Department as at present organized is on a purely homemaking basis.

We have five full time and four part time teachers in that department with an enrollment of 52 pupils in the Industrial school and 112 girls from the High school and Holy Family High school who have elected cooking, sewing or millinery as a part of their High school course.

The change to the homemaking course puts upon the teachers and those charged with the conduct of the Girls' Department the responsibility of shaping something quite new. Homemaking courses are now being worked out in many places, but none are satisfactory enough to furnish a model or to save us the time and trouble required for original planning. Every such course must fill the needs of the homes that furnish its pupils,

Two things are clearly essential to success: First, a course of study which works reasonably well today but which is open to constant revision as we see more clearly those elements of homemaking which can be taught in school; second, such relations with the homes of all the pupils that the mothers will be our constant though friendly critics, requiring the girls to put into practice at home what is learned at the school and so making it possible for the school to test the value of its teaching by the girls' competence at home.

The girls at present enrolled in this school fall into three groups: First, those whose parents are looking for places for them to work under the eight hour law. The day such places are found, these girls leave us. Second, those who stay with us until their sixteenth birthday. Third, those who have completed the eighth grade in the elementary school, who are attracted to this school rather than to the High school, and plan to stay with us four years.

We need then a prolonged and well balanced course in homemaking in the interest of this third group, but we need to plan it in such a way that girls of the first and second groups (whether they stay with us one or six months) will get instruction which will be of real help to them in the homes they may make later on. So far this year, therefore, attention has been given to planning carefully the work of the first two years, leaving the more advanced work until we are surer what form this work should take.

At present the course consists of the following subjects: Cooking, sewing, millinery, design, hygiene and home nursing, household management, housewifery and laundry work, arithmetic and English.

#### COOKING.

Emphasis on bread making, economical meat cookery, use of left overs and simple desserts. Food values discussed in simple terms with some practice in planning meals for individual needs, for example, for young children, for invalids, for men and women in different occupations.

Second Year. Planning and serving the students' luncheon, planning and serving the teachers' luncheon, order work in jellies and pickles, bread and cake.

Third and Fourth Years. Advanced cooking, and more difficult order work.

#### SEWING.

First Year. Making of undergarments, children's clothes, shirt waists, and simple one-piece dresses. The work is planned in conference with the girls and their mothers so that the course may fit as nearly as practicable the actual needs arising in the home.

Second Year. Cotton and simple wool dresses, shirt waists, and silk waists with especial emphasis on renovating garments.

Third and Fourth Years. Dresses of more elaborate design, coats, and order work.

#### DESIGN.

First Year. Drawing of the model form, study of line and color, sketching designs for undergarments and simple dresses, Christmas cards, place cards, posters, etc.

Second Year. Each garment and hat will be designed in this class room before it is undertaken in the sewing or millinery room. Study of principles of good house decoration and furnishing.

#### MILLINERY.

Not offered in first year.

Second Year. Making of simple velvet hats, making of trimmings—bows, ribbon flowers, Christmas work, renovating of last year's hats—felt, velvet, and straw,—making of simple straw hats.

Third and Fourth Years. Making of more elaborate velvet and straw hats. Order work in renovating hats.

**HYGIENE AND HOME NURSING.**

This course is given by the school nurse and consists almost entirely of practical work in bed-making, changing of bed linen with the patient in bed, bandaging, first aid, with simple talks on personal hygiene, care of a sick room, etc.

**HOUSEWIFERY AND LAUNDRY WORK.**

The actual care of the teachers' offices, the toilet rooms, the lunch room, the store rooms, and kitchens is utilized for giving practical instruction in housewifery. The attempt is made to have the girls compare constantly different methods of work to find the one which gives the best result with the least expenditure of time and labor. In the laundry work the school table linen and towels are kept in order, and the girls bring enough garments from home to give them practice in laundering undergarments and shirt waists. Necessary mending is afterward done in the sewing classes.

**ARITHMETIC AND ENGLISH.**

So far, these subjects are taught in closest correlation with the practical subjects. The recipes in cooking and the planning of sewing give plenty of problems for the arithmetic classes. A contemplated development of the work in English is a course in children's literature, games, and songs, with actual practice in telling stories to the children.

**HOUSEHOLD MANAGEMENT.**

Planning and systematizing school and home work.

Keeping accounts in the cooking department.

Study and discussion of plans for all new equipment and for all changes in old equipment in the department. Reading and discussion of "The New Housekeeping" by Mrs. Frederic and "The Efficient Kitchen" by Mrs. Childs.

The cooking classes furnish each day a cafeteria lunch to the students and a luncheon to the teachers served at a family

table. It is the aim of the department that the receipts from these lunches cover the cost of materials, ice and fuel bills, and paid labor. A little order work has been undertaken. Some bread and cake are sold each week, and baskets of jellies and conserves have been sold at Taber's, Cummings', and Mosher & Hazard's grocery stores during the holiday season. The cash receipts for the year in the girls' department were \$1,058.20. Most of this money was received in the cooking department. The sewing department would be glad to build up a small order business in children's garments.

The two problems which need especial attention just now are: First, the working out of a satisfactory system of school credit for homework. Second, finding paid employment which will attract the girls by offering them an opportunity to use the training which they have received here under conditions that in no way diminish their self-respect.

Six of the vocational schools in Massachusetts now have homemaking departments. The teachers in these departments have formed an informal organization to arrange conferences and informal talks in the hope that by co-operation they may solve some of their problems more quickly.

The advisory council of the school and the women members of the Board of Trustees are also planning to hold a number of meetings during the year for thorough discussion of our course of study and of the possibilities of employment open to the girls trained here.

#### WOMEN'S EVENING SCHOOL CLASSES.

During the first week in October, 700 women registered for evening school work, and this registration has increased to 870 at the present time. Classes were organized as follows:

Industrial School—Cooking, 4 classes.

Millinery, 4 classes.

Sewing, 8 classes.

Congdon School—Sewing, 4 classes.

Ingraham School—Sewing, 4 classes.

Lincoln School—Sewing, 4 classes.

Knowlton School—Sewing, 4 classes.

Millinery, 2 classes.

The number admitted to each class was 15, making a total of 540 admitted. Out of the number registered 46 either did not come at all or came only on the night of the first meeting of the class. About 350 more dropped out before the Christmas vacation. A few of these had a good reason for leaving. The majority left giving no reason, or one which showed that they had little interest in the work.

This condition of things means that the teachers in the classes, the supervisor of evening school work and the office force waste much time filling vacancies in the classes and often notify those on the waiting list who never appear. This work has to be done over and over again, and inevitably some people who are anxious to come into the classes and who would get much help from them are kept on the waiting list the entire season, while those who care but little for the work are throwing away the opportunity they have been given.

An obvious remedy for this state of things is the registration fee which is working in other communities. A further reason for adopting such a fee is the intention of the State soon to base its reimbursement for evening schools on a 75% attendance.

One other thing should be considered. The State reimburses no class which is open to girls of 16 years of age. This year we refused to admit about sixty such girls, although many of them seemed anxious to come. The work is surely of as great value to them as to older girls. Their hands are more easily trained and they might well form the habit of using their evenings in work worth while. It seems, therefore, as if the city would be doing social service by supporting entirely one or two classes open to 16-year-old girls.



## MEN'S EVENING SCHOOL.

For comparative figures of attendance in the evening school classes November 30, 1913, and November 30, 1914, see pages 9, 10, 11.

The steam practice and plumbing classes show very much the best and most regular attendance, due in large measure to the State laws requiring licenses for employment in those trades. Because of the fact that many men have a desire to better their economic condition, but not the steadfastness of purpose to diligently apply themselves when given the opportunity, the attendance in some of our other classes is not satisfactory.

The proposal that we require a deposit as a guarantee of regular attendance, the same to be returned to the pupils who attend seventy-five per cent. of the sessions, is certainly deserving of careful consideration. The amount of that deposit might be \$1.00 for the men and 50 cents for the women.

A large room has been fitted for the gas engine class in the basement of the main building. The equipment available consists of 1 Fairbanks gas engine, 1 N. E. 4 cycle horizontal stationary gas engine, 1 3 H. P. gasoline engine, 1½ H. P. Rice engine, all the property of the school. On October 6, 1913, Mr. Joseph K. Nye donated to the school for instruction purposes a two cylinder 2 H. P. Buffalo marine motor with spark coil, reversible mechanism and propeller and shaft.

Respectfully submitted,

ARTHUR S. ALLEN.

**Financial Statement of Appropriation.**

Appropriation for fiscal year, December 1, 1913- November 30, 1914.....	\$43,000.00
Expenditures for fiscal year.....	42,999.11
	<hr/>
	\$ .89

**EXPENDITURES.**

From Dec. 1, 1913—Nov. 30, 1914.

For equipment.....	\$4,326.66
Rent .....	3,000.00
For maintenance:	
a. Salaries and labor.....	\$27,113.60
b. Fuel, water, gas and electricity....	1,530.92
c. Office, janitor and class room supplies	1,075.44
d. Material for shops.....	4,356.54
e. Repairs and replacements.....	1,595.95
	<hr/>
	35,672.45
	<hr/>
	\$42,999.11

**PETTY CASH STATEMENT**

On hand December 1, 1913.....	\$263.10	
Income from departments.....	1,470.74	
Expenditures for supplies, etc.....		\$1,517.40
Balance on hand December 1, 1914.....		216.44
	<hr/>	<hr/>
	\$1,733.84	\$1,733.84



**ANNUAL REPORT**

**OF THE**

**SUPERINTENDENT OF STREETS**

**OF THE**

**CITY OF NEW BEDFORD, MASS.**

**TO THE**  
**CITY COUNCIL**

**FOR THE YEAR 1914**

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**NEW BEDFORD, MASS.**  
**THE J. E. BUDLONG PRESS, PRINTERS**  
**1915**



## Report of the Superintendent.

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*To the Mayor and City Council,  
of the City of New Bedford, Mass.*

Gentlemen: The Annual Report of the work of the Sewer and Street Departments for the year ending December 5th, 1914, is herewith submitted.

Respectfully,

C. F. LAWTON.

SUPT.

**NEW BEDFORD — 1914**

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Population, estimated 108,680.

Valuation, \$108,032,232.29.

Area, about 19.39 sq. miles.

Number of dwelling houses, 12,639.

184.56 miles of accepted streets.

Three bridges over the Acushnet River. New Bedford and Fairhaven bridge, 70 feet wide and 9-10 mile long; 4-5 maintained by New Bedford. Coggeshall street bridge, 3-4 maintained by New Bedford. Concrete bridge between New Bedford and Acushnet, built by County Commissioners in 1913.

10.15 miles granite block paving, area 155,818 sq. yds.

0.06 miles asphalt block paving, area 786 " "

10.55 miles bitulithic paving, area 176,914 " "

0.34 miles brick paving, 12,128.30 sq. yds. New Bedford and Fairhaven Bridge.

7.14 miles cobble paving, 78,635 sq. yds.

100.78 miles macadam, 1,268,285 sq. yds.

131.92 miles curbing.

30.86 miles flag walks 91,429 sq. yds.

33.33 miles tar concrete walks, 144,236. sq. yds.

25.95 miles granolithic walks, 111,591 sq. yds.

114.897 miles sewers.

\$1,953,129.84 cost of sewer system to date.

1,450 catch-basins.

1,084 manholes.

769 eye-holes

# APPROPRIATIONS AND EXPENDITURES YEAR 1914

	Appropriations	Net Expenditures
<b>Highways and Streets:-</b>		
Appropriation	\$179,995.00	
Excise Tax	13,106.80	
	<u>\$193,101.80</u>	\$189,734.77
Highway Improvements	196,000.00	206,840.12
Macadam Loan	111,000.00	112,587.09
Sewers & Drains	20,000.00	15,760.23
Bridges	8,000.00	9,228.43
Forestry	5,300 00	5,450 55
	<u>\$533,401.80</u>	<u>\$539,601.19</u>





# **Highways and Streets Accounts**

## STREET DEPARTMENT

## HIGHWAYS AND STREETS

Year	Net Expenditure	New Work	Maintenance And repairs	Stock on Hand	Total
1910	\$390,216.57	\$187,202.50	\$197,925.03		
1911	491,535.98	285,006.47	211,295.08		
1912	499,734.01	297,656.83	202,077.18		
1913	492,603.14	268,309.24	224,293.90		
1914	509,161.98	334,750.36	174,411.62		
			Tools	\$ 3,285.51	
			Stock	13,983.78	
			Equipment	67,920.79	
					\$ 85,190.08

## STREET DEPARTMENT

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RECAPITULATION — HIGHWAYS & STREETS.  
GROSS EXPENDITURES.

		Cost.
Ashing		\$ 52,803.27
Accident Account		1,479.41
Automobiles and garage (credits for auto hire and material from other depts.)	\$ 1,434 01	13,394.97
Building repairs		1,023.78
Crosswalks		50.19
Curbing, relaid		2,721.19
Concrete walks repaired		2,215.58
Driveways		316.78
Dust prevention -Oil	\$ 21,512.63	
Water	3,197.58	24,710.21
Equipment		1,404.00
Filling holes and washouts		736.57
Flag walks repaired		1,736.88
Fences		143.05
Filling and grading		7,304.83
Granolithic walks repaired		94.80
Gutters, repaired		698.22
Heating plant (City yard }		
Lighting city yard bldgs. }		1,642.30
Main office and salaries		7,558.78
Macadam, repaired		5,909.04
Miscellaneous		2,830.20
Bitulithic-repairs }		
Block - repairs }		1,550.96
Cobble }		
Pension		1,120.42
Removing snow and ice		4,959.62
Stable office		3,270.43
Stable yard		1,031.26
Sweeping and cleaning streets		70,159.22
Sidewalks, gravel and cinder		15,516.37
Tools, New and repaired		3,735.91
Yard tool house		1,092.01
Walls, ( Bank)		52.76
Water supply		48.66
Charges - Labor etc., done for city forestry, sewage disposal, bridges, sewers, sewers and drains. }		58,597.76
Miscellaneous charges to sundry parties		
		<hr/>
Stock on hand Dec. 4, 1914	\$ 5,841.23	\$ 289,909.43
	CR.	
Appropriation	\$ 179,995.00	
Receipts	100,174.66	
Excise Tax	13,106.80	
	<hr/>	
	\$ 293,276.46	
Balance to Highways and Streets	3,367.03	
	<hr/>	
	\$ 289,909.43	

## STREET DEPARTMENT

## STREETS LAID OUT AND ACCEPTED.

Street	From	To	Date of acceptance	Length	Width
Acorn	Durfee	Northerly	Mar. 25, 1914.	382.60	50 Feet
Ball	Homestead	Northerly	Nov. 11, 1914.	232.00	40 "
Baylies	Wood	Hersom	June 10, 1914.	243.75	50 "
Belleville Ave.	Kilburn	Washburn	Dec. 2, 1914.	272.40	40 "
Branscomb	Acushnet Ave.	Westerly	Dec. 23, 1914.	247.33	50 "
Branscomb	W.Acush. Ave.	Westerly	Dec. 9, 1914.	2276.13	50 "
Bristol	Morris	Easterly	Apr. 8, 1914.	485.51	50 "
Carney	Maxfield	Smith	Feb. 11, 1914.	463.35	50 "
Caroline	Durfee	Northerly	Mar. 25, 1914.	454.03	50 "
Carroll	Reed	Rockdale Ave	Dec. 2, 1914.	206.13	50 "
Charles	Brock Ave.	Easterly	June 24, 1914.	520.68	50 "
Cleveland	Butler	S. Rodney	June 11, 1914.	1092.28	50 "
Coggeshall	Summer	Mt. Pleasant	July 9, 1914.	318.60	50 "
Darling	Acushnet line	Ball	Nov. 11, 1914.	294.71	40 "
Dewey	Acush. Ave.	Bowditch	Jan. 7, 1914.	825.97	50 "
Ernest	Belleville Rd.	Bates	Sept. 23, 1914.	259.92	40 "
Flagg	Maxfield	Smith	Feb. 11, 1914.	464.61	50 "
Hawes	Tarkin Hill Rd.	Pine Grove Cem.	Sept. 23, 1914.	2438.09	50 "
Homestead	Acush. Line	Acush. Ave.	Nov. 11, 1914.	428.27	40 "
Jenney	Kempton	Mill	May 27, 1914.	158.20	40 "
John	Allen	Ryan	Dec. 2, 1914.	630.56	40 "
Joyce	Acush. Ave.	Church	Jan. 7, 1914.	1991.16	50 "

## STREETS LAID OUT AND ACCEPTED—Continued.

Street	From	To	Date of acceptance	Length	Width
Lawrence	Tarklin Hill Rd.	Brockton	Dec. 2, 1914.	702.02	50 Feet
Liberty	Through Oak	Grove Cem.	July 22, 1914.	446.75	50 "
Lindsey	Maxfield	Smith	Feb. 11, 1914.	462.08	50 "
Palmer	Hawthorn	Maple	July 22, 1914.	295.30	50 "
Plymouth	Reed	Rockdale Ave.	Dec. 2, 1914.	216.84	50 "
Ryan	Reed	Rockdale Ave.	Dec. 2, 1914.	194.49	50 "
Shaw	Conduit	Acush. Ave.	May 27, 1914.	530.78	50 "
Swift	Orchard	Bolton	July 9, 1914.	445.33	50 "
Turner	Durfee	Northerly	Mar 25, 1914.	409.78	50 "
Worcester	Tarklin Hill Rd.	Northerly	May 13, 1914.	2458.72	50 "
Total Length				20848.37	

## STREETS WIDENED.

Street	From	To	Date of Acceptance	Description
Phillips Rd. Spring	Acushnet Ave. Purchase	Braley Rd. Westerly	Nov. 11, 1914. Nov. 11, 1914.	Both sides, 60 ft. -- Length 11,617.97 10 ft. So. Side Length 105.81 Total Length 11,723.78

Cost of work done by the street department, widening the following streets:-

Purchase Street:-	
Catch-Basins	\$ 214.55
Curbing	2,881.06
Eyeholes	21 65
Miscellaneous charges	629.87
Total	\$3,747.13
Union Street:-	
Curbing	\$1,170.50
Miscellaneous charges	430.67
Total	\$1,601.17

## STREET DEPARTMENT

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## STREETS RELOCATED.

Street	From	To	Date of Acceptance	Length Total Length	780.27 780.27
W. French Ave.	David	Southerly	Oct. 30, 1914.		

## GRADE CHANGED

Watson	North	Northerly	June 10, 1914.	Length Total length	295.55 295.55
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## NAMES CHANGED

Collette Brock Ave.	Front W. French Ave.	Acushnet Ave. Dartmouth Line	Feb. 11, 1914. Sept. 23, 1914.	From Plummer From Cove Road
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## FILLING AND GRADING.

Street	Location	Cost
Alord Street		\$ 98.00
Braley Rd.		70.70
Church Street	No. of Tarklin Hill Rd.	170.98
Jenney Street		59.69
Kane Street	E. of Hemlock	54.00
Maple Street	E. of Reed	54.45
Maxfield Street	Dump	53.56
Nash Road	No. of Irvington	65.25
Phillips Rd.	West of Acushnet Ave.	102.67
Purchase Street	N. W. Cor. School	77.76
Purchase Street	Maxfield To Weld	1,958.14
So. Second Street	So. of Blackmer	71.72
Smith Street	West of Liberty	98.36
Stackhouse street	Mathews to Rockdale Ave.	77.86
Summer Street	Campbell Street, So.	1,111.68
Summit Street	Hillman to Maxfield	925.05
Union Street	Sixth to Pleasant	97.57
Yates Street	No. of Tarklin Hill Rd.	89.09
Watson Street		73.52
Winsor Street	East of Bonney	76.39
Sundry Streets	Costing Less than \$50.00	1,918.39
		<b>\$7,304.83</b>

## DUST PREVENTION.

## WATERING STREETS.

One (1) Electric Car Sprinkler, contracted from the American Car Sprinkler Co.  
 Sprinkling from June 1st to October 15th, 1914.

American Car Sprinkler Co.	\$2,137.50
New Bedford Water Works	823.20
Labor and Miscellaneous Charges (city sprinkling carts)	236.88
Total Cost,	<u>\$3,197.58</u>

## OILING STREETS.

Cost of material:	
Dustoline, (sold to private parties \$559.50)	\$20,411.98
Cost of application	1,100.65
	<u>\$21,512.63</u>

## DUST LAYING WITH DUSTLOINE, 1914.

Streets given	Gals.	Sq. Yds.	Miles.
First coat		1,383,684	87.05
Second coat		383,633	24.83
Third coat		115,929	6.60
Fourth coat		49,933	2.84
Fifth coat		5,066	0.29
Sixth coat		2,166	0.11
Total	<u>237,854</u>	<u>1,940,411</u>	<u>121.72</u>

	per gal.	per sq. yd	Total
Gallons of oil		.12258	237,854.00
Cost of oil	\$ .08347	.01023	\$19,853.48
Cost of Labor	.00463	.000567	1,100.65
Total cost	<u>\$ .08810</u>	<u>\$ .010797</u>	<u>\$20,954.13</u>

## STREET DEPARTMENT

## STABLE AND TEAMING ACCOUNT.

Stock on hand Dec. 1, 1913 (horses, carts, harnesses, hay grain, etc.) **\$30,848.45**

	Labor	Teaming	Stock	Total
Teaming,	\$15,159.27	\$ 1.44	\$9,463.32	\$24,623.03
Carts repaired }	2,727.68		535.00	3,262.75
Carts painted }	6,193.66	27.23	330.11	6,551.00
Stable				34,436.78
				<b>\$65,285.23</b>

## Credits received:

Miscellaneous	652.70
Dressing and pigs	258.28
Stock on hand Dec. 5, 1914.	29,465.68
	<b>30,376.66</b>
	<b>\$34,908.57</b>

## STREET DEPARTMENT

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### DEPARTMENT HORSES

Working horses,	36
Driving horse,	1
	<hr/>
	37

### CARTS IN USE.

Double carts,	13
Single carts, 4 wheels	10
Single carts, 2 wheels	4
Express wagons,	4
Eagle wagons,	2

### EXTRA CARTS, ETC.

Sundown,	1
Light driving wagon	1
Concord buggy,	1
Water carts,	6
Jiggers,	2
Single gears,	3
Derrick gears,	3
Road scrapers,	2
Street sweepers,	3
Sand spreader,	1
Sleighs (for ashing),	2

## STREET DEPARTMENT

## HIGHWAYS AND STREETS.

	1909	1910	1911	1912	1913	1914
Madacam new	\$30 478.23	\$48 582.12	\$42 582.12	\$52 163.20	\$47 353.71	\$107 312.29
Madacam rebuilt	24 576.83	19,316.16	34,601.86	\$32,142.83	43,862.78	5,909.04
Madacam, repaired	3,316.85	5,983.60	5,829.98	5,034.70	4,465.99	
Bitulithic & Endurite						
Paving		39,211.88	74,264.76	46,973.44	63,043.77	83,110.41
Streets filled & graded	19,599.16	30,481.70	41,355.68	58,205.26	31,516.21	36,571.98
Curbing, new & relaid	11,878.61	24,229.44	29,342.59	21,633.79	27,787.08	20,290.92
Gutters, new	11,915.92	22,073.25	13,940.52	25,077.59	15,258.07	13,439.79
Gutters, repaired	670.80	1,284.36	1,049.96	1,431.06	2,335.23	698.22
Concrete sidewalks, new	195.71					
Concrete sidewalks, rep.	2,072.02	1,540.26	688.16	5,202.76	1,925.57	2,215.58
Gravel and cinder walks	14,779.88	16,969.43	17,913.19	25,782.02	19,827.49	15,516.37
Granolithic	12,841.58	18,485.50	27,977.23	20,648.56	20,163.36	16,640.19
*Paving, new, granite block	51,843.62	45,668.09	49,232.65	49,906.37	40,673.91	39,541.95
Paving, repaired						
block & cobble	1,580.16	5,925.93	2,373.09	1,214.82	3,376.02	1,550.96
Flagging, new & repaired.	500.18	1,018.00	1,885.46	1,423.58	3,569.97	1,736.88
Crosswalks, new & repaired.	244.48	296.73	216.61	243.72	218.66	50.19
Sweeping & cleaning sts.	29,295.99	53,367.52	62,531.03	68,624.40	70,944.56	70,159.22
Removing snow and ice	220.30	9,022.83	5,013.01	1,488.45	850.77	4,959.62
Collecting ashes	24,267.73	32,439.69	42,085.20	41,471.66	45,587.48	52,803.27
Filling holes in streets	1,263.19	1,183.69	1,292.07	3,001.31	1,310.19	736.57

\*Includes relaying Acushnet Ave.

## **Macadam Loan.**

## STREET DEPARTMENT

## MACADAM.

Appropriation	\$111,000.00
Receipts	<u>5,412.98</u>
Expended	\$116,412.98
Expenditures for Macadam	107,312.29
Stock on hand Dec. 4, 1914.	<u>9,100.69</u>
	\$116,412.98

## STREET DEPARTMENT

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## MACADAM, NEW.

Street	Location	Length Feet	Area Sq. Yds.	Cost
Bates	E. of Acush. Ave.	1 232.0	3 285.40	\$ 500.50
Bowditch	S. of Irvington	710.0	1 420.00	155.08
Brownell	Allen to Hawthorn	1 141.0	2 915.80	330.86
** Cedar Grove	E. & W. of Reynolds			
Chancery	Myrtle N. of Cedar Grove	755.0	2 010.90	343.31
Clifford	Smith to Maxfield	474.0	1 000.60	64.54
***Coffin Ave.	Acush. Ave. to Bowditch	1 814.5	4 737.80	610.26
Coggeshall	W. of Belle. Ave.			433.05
***Cottage	W. of Reynolds	155.0	413.40	83.65
Cove Rd.	Allen to Hawthorn			808.98
Dudley	W. of Crapo	260.0	462.20	290.57
Durfee	E. of W. French Ave.	1 052.0	2 805.33	165.44
***Earle	Cottage to Summer	235.0	587.50	74.53
***Elm	W. of Belle. Ave.	2 077.5	5 401.10	994.28
Eugenia	Chancery to Park			39.35
Field	Hope to Front	1 518.0	3 879.30	565.30
Harbor	Grape to Allen	454.5	1 156.30	90.42
** Hatch	Cove to Gifford	949.0	2 214.30	210.33
** Hawthorn	W. of Belle. Ave.	242.6	652.32	80.16
Highland	Reed to City Line	3 871.0	7 338.80	341.78
***Howard Ave.	N. of Durfee	986.0	2 081.40	265.11
Irving	At River Rd.			88.30
***Jenny Lind	Hawthorn to Maple	432.0	912.00	51.00
Kilburn	Kempton to Hillman	472.5	945.00	7.00
***Lake	Belle. Ave. to Front	413.5	872.90	85.36
***Morgan	Rockdale to Buttonwood	460.0	925.10	28.00
** Mott	Chancery to Park			43.22
	W. of E. French Ave.	2 513.5	6 739.40	573.29



## STREET DEPARTMENT

## MACADAM, NEW—Continued.

Street	Location	Length Feet	Area Sq. Yds.	Cost
North	James to Lindsey	321.0	642.00	191.83
Oak	W. of Allen	155.0	313.44	55.60
Palmer	Carroll to Hawthorn	392.8	1,047.46	83.94
** Penniman	County to Mt. Pleasant	1,264.5	3,340.57	705.02
Phillips Rd.	County to Wildwood	513.5	855.80	475.39
Pine	E. of Water	53.5	398.30	35.01
Plymouth	Brigham to Palmer	1,003.5	2,563.90	302.39
Priscilla	W. of Brigham	363.5	767.30	138.78
River Rd.	N. of Howard Ave.	2 180.5	3 876.00	2 416.33
* Robeson	Cor. Shawmut Ave.			14.90
Rockdale Ave.	Dartmouth to Allen	4 236.0	7 781.20	904.16
Richmond	Locust to Maitland	252.0	504.00	36.50
Rounds	Court to Elm	455.5	961.60	80.00
Ruth	W. of East Fr. Ave.	339.0	904.00	246.75
* Scott	W. of County			27.00
Shawmut Ave.	N. of Railroad	400.0	800.00	153.44
Short	Grape to Allen	441.0	1 127.00	110.21
Sydney	W. of Bolton Rd.	1 234.5	3 292.00	250.51
Tinkham	E. of Front	726.7	1 938.00	190.44
Union	Pleasant to Sixth	216.5	336.70	85.85
Waverly	North of Allen	212.0	447.50	148.57
West	Taber to Priscilla	148.0	394.70	44.40
Whitman	Diman to Front	529.4	1 350.60	162.26
Watching, Lighting, Watering.				1 119.96
Amt. Carried Forward		37 657.00	86 398.92	\$15 302.91

## MACADAM, REBUILT.

Street	Location	Length Feet	Area Sq. yds.	Cost
Brought forward Acushnet Ave.	North of Division South of Blackmer South of Rivet	37 657.00 954.7	86 398.92 2 015.40	\$15 302.91 258.14
Acushnet Ave. Acushnet Ave.	North of Nash Rd. North Belleville Rd. North Brooklawn Park	734.5 900.55	1 469.00 2 596.70	44.85 501.25
Allen	East and west of Rockdale Ave.	2,048.50	5,235.00	366.72
Belleville Ave.	Washburn to Cedar Grove Cedar Grove to Beetle Beetle to Sawyer Coffin to Phillips Phillips to Collette Collette to Davis			
Belleville Rd. Blackmer Blackmer Borden	Davis to Hathaway East of Acushnet Ave. Water to Second East of County Dartmouth to Allen Allen to Bedford	2,421.80 91.00 269.30 521.70 1,005.00	7,496.30 262.50 568.50 1 101.30 1 888.60	1,121.07 10.66 60.00 101.84 393.82
Campbell Chestnut Cottage	Summer to Chestnut Chestnut to Cottage Mill to Smith Locust to Austin	840.50 1,306.00 1,140.60	1,727.40 2,612.00 3,041.60	129.94 151.22 134.12

## STREET DEPARTMENT

## MACADAM, REBUILT—Continued.

Street	Location	Length Feet	Area Sq. yds.	Cost
County	Cove to Nelson South of Division South to Wash ngton Allen to Hawthorn Union to Elm E. French Ave. to Salisbury	2,677.00	5,928.60	229.18
Cove	Sq. Cove & First First to County Rockdale to Dunbar	2,267.00	9,942.80	834.15
Dartmouth	South of Oak Water to First	1,916.00 151.80	4,677.80 312.00	386.41 68.50
Delano Division	First to County West of County	1,631.80 1,248.50	3,443.60 3,190.60	245.99 366.90
Dunbar	Bolton Rd. to Dartmouth	279.70	583.40	32.46
Foster	High to Mill	148.00	172.70	15.73
Front	North of Belleville Rd.	2,712.50	5,726.40	274.13
Grinnell	Front to Dartmouth	375.50	834.40	51.78
Hathaway Rd.	West Mt. Pleasant	187.50	395.80	15.81
Liberty	Mill to North	165.80	350.00	30.56
Lindsey	Kempton to Mill			
Madison	Water to Acushnet Ave. Purchase to Sixth	586.70 300.00	1218.20 600.00	144.52 26.39
Middle	County to Summer			
Amt. carried forward		64 538.95	153789 52	\$21 299.05

## [MACADAM, REBUILT—Continued.]

Street	Location	Length Feet	Area Sq yds.	Cost
Brought Forward	Cedar to Chancery	64,538.95	153,789.52	\$21,299.05
Mill	Chancery to Park			
	Park to Newton			
	Newton to Liberty			
	Liberty to Lindsey			
	Lindsey to Florence			
	Florence to Hunter			
	Hunter to Rockdale			
	W. of Rockdale Ave.			
	Kempton to Mill	4,335.69	9,066.80	168.55
Newton	Mill to North	348.10	734.90	41.53
Parker	Summer to Chestnut	225.20	462.90	24.20
Quansett	North of Deane	260.00	635.50	34.00
Rotch	Hawthorn to Clinton			
	Clinton To Arnold	705.20	1,382.60	55.58
Sawyer	E. of Belleville Ave.	193.00	514.66	48.45
Second	Division to Blackmer			
	South of Rivet			
	South of Potomska			
	North of Potomska	2,153.50	5,363.00	718.50
	North of Durfee			
	South of Potter			
Shawmut Ave.	S. of Hathaway Rd.	3,279.85	6,976.18	405.91
Smith	Cottage to Cedar	328.60	675.40	47.04

## STREET DEPARTMENT

## MACADAM, REBUILT—Continued.

Street	Location	Length Feet	Area Sq. yds.	Cost
South State	Second to County	635.50	341.61	57.54
Tremont	South of Willis	1,275.20	2,522.06	79.33
Walnut	Hawthorn to Maple	354.50	748.30	52.11
Washburn	Purchase to Pleasant	209.50	442.20	31.56
	East of No. Front			
Washington	No. Front to Acu. Av.	1,183.50	2,287.30	178.82
Wing	County to Dartmouth	1,592.00	3,381.00	454.55
W. French Ave.	Pleasant to Sixth	217.50	483.30	64.50
	No. & So. of Cove	645.50	2,585.30	309.40
		82,481.29	193,392.53	\$24,070.62
Stone & Screenings delivered to Macadam				
	48,372 tons.....	\$67,473.45		
Cost for rolling.....				
	.....	11,703.06		
Miscellaneous Charges.....				
	.....	4,065.16		
Total cost				83,241.67
				\$107,312.29

\* Incomplete  
 \*\* Partly old  
 \*\*\* Carried forward from 1913  
 Average cost per sq. yds. \$0.57

## STONE CRUSHERS.

## CENTER CRUSHER:

	Tons	Total Tons
Amount of stone on hand Dec. 1, 1913	800	
" " " bought	36,343	
" " " received from City work	4,941	
		42,084

## SOUTH CRUSHER:

Amount of stone on hand Dec. 1, 1913	800	
" " " bought	17,925	
" " " received from City work	374	
		19,099

## NORTH CRUSHER:

Amount of stone on hand Dec. 1, 1913	75	
" " " bought	14,830	
" " " received from City work	819	
		15,724

Total amount of stone at the three crushers 76,907

## Crushed stone on hand Dec. 4, 1914.

Center Crusher	961	
South Crusher	2,000	
North Crusher	1,009	
		3,970

Amount of stone crushed during the year		72,937
Total cost of crushed stone	\$76,857.81	
Cost per ton . . . . .	1.02	



## **Highway Improvement Account.**



## STREET DEPARTMENT

## HIGHWAY IMPROVEMENT.

	Appropriation	\$196,000.00
	Receipts	<u>24,915.21</u>
		\$220,915.21
	Expended	<u>208,398.28</u>
	Balance	\$ 12,516.93
<b>Expenditures</b>		
Curbing	\$ 17,569.73	
Gutters	13,439.79	
Granolithic	16,640.19	
Endurite	83,110.41	
Block paving	39,541.95	
Concrete Pavement	1,026.14	
Filling & Grading	36,571.98	
Miscellaneous	498.09	
	<u>\$ 208,398.28</u>	

## CURBING, NEW.

Street	Location	Length
Acushnet Ave.	S. W. Cor. Braley Rd.	16.30
Acushnet Ave.	W. S., N. of Wing	111.35
Allen	N. S., Ward to Waverly	172.60
	N. E. Cor. Waverly	12.80
	N. W. Cor. Waverly	12.80
	N. S. Waverly to Oak	117.20
	S. S. Ward to Columbia	179.50
	N. S., Oak to Page	232.70
	N. E. Cor. Oak	12.70
	N. E. Cor. Page	12.80
	S. S., Page to Short	76.70
	N. S., Page to West	667.70
	S. S., Short to Field	74.80
	S. S., Field to Clover	59.00
	S. S., Clover to West	91.50
	S. S., West to Devoll	77.10
	N. S., West to Brigham	231.70
Armour	N. W. Cor. Arnold	12.50
	E. S., Arnold to Union	46.15
	E. S., So. of Union	49.80
Arnold	S. S., W. of Tremont	40.25
	S. W. Cor. Brownell	12.10
	N. S., W. of Brownell	40.00
Bedford	N. S., W. of Brigham	94.80
Beech	N. E. Cor. North	12.50
	N. W. Cor. North	12.50
	E. S.; N. of Maxfield	46.50
Beetle	N. S., W. of Acushnet Ave.	39.00
Belleville Ave.	N. E. Cor. Kilburn	12.70
	S. E. Cor. Washburn	12.80
Bolton Road	N. W. Cor. Jenkins	14.85
	S. W. Cor. Jenkins	13.00
Bonney	S. E. Cor. Winsor	11.80
	N. E. Cor. Winsor	12.85
	S. W. Cor. Katherine	12.70
	N. W. Cor. Katharine	12.70
Bowditch	W. S., N. of Glennon	40.50
	" " "	7.75
Briggs	W. S., Rockland to Thompson	268.40
Brigham	W. S., N. of Bedford	90.50
Brownell	W. S., N. of Ryan	76.80
	E. S., S. of Carroll	63.35
	N. W. Cor. Hawthorn	12.50
	W. S., S. of Maple	45.25
	S. W. Cor. of Clinton	12.80
	N. W. Cor. of Clinton	12.70
	N. E. Cor. of Clinton	12.85
	S. E. Cor. of Clinton	12.40
	W. S., S. of Clinton	85.95
	E. S., N. of Clinton	81.35
	W. S., N. of Clinton	80.80

STREET DEPARTMENT  
CURBING, NEW—*Continued.*

Street	Location	Length
Brownell	W. S., N. of Arnold	76.50
	W. S., N. of Arnold	99.25
Butler	S. S., W. of Fern	62.24
	S. W., Cor. of Fern	12.70
Buttonwood	E. S., N. of Lake	39.00
Carroll	S. S., E. of Brownell	87.90
	N. S., Brownell to Brigham	45.20
Cedar	W. S., S. of Willow	46.00
Cedar Grove	S. W. Cor. Myrtle	12.00
	S. E. Cor. Summer	12.80
	N. W. Cor. Summer	11.80
Chancery	N. W. Cor. Middle	12.50
	W. S., N. of Middle	84.70
	W. S., N. of Merrimac	92.00
Cleveland	N. W. Cor. Frederick	18.80
	N. E. Cor. Frederick	12.75
	S. E. Cor. Frederick	12.75
	S. W. Cor. Frederick	12.55
Clinton	S. S., Orchard to Cottage	68.25
	S. S., E. of Park	45.10
	S. S., Rotch to Brownell	45.90
	N. S., E. of Brownell	57.00
	S. S., W. of Brownell	56.60
	N. S., W. of Brownell	57.85
Coffin Ave.	N. S., E. of Riverside Ave.	250.75
Coggeshall	N. S., W. of Acushnet Ave.	236.95
Cottage	E. S., N. of Austin	45.30
County	E. S., N. of School	107.35
Court	S. S., W. of Park	28.70
Crapo	W. S., Mosher to Winsor	56.20
	S. W. Cor. Winsor	13.45
Dartmouth	N. W. cor. Rockdale Ave	20.80
	N. E. Cor. Jenkins	13.05
	S. E. Cor. Jenkins	13.25
	N. W. Cor. Mathew	12.75
	S. W. Cor. Mathew	12.86
	S. W. Cor. Hollyhock	12.80
	S. W. Cor. Stowell	12.50
	N. W. Cor. Edward	12.85
	S. W. Cor. Edward	12.50
	S. W. Cor. Babbitt	12.20
Davis	N. S., E. of Acushnet Ave.	41.30
Dean	N. S., E. of Acushnet Ave.	41.30
Diman	N. E. Cor. Davis	12.20
	N. W. Cor. Davis	12.35
	S. E. Cor. Earle	12.80
	S. W. Cor. Earle	12.80
	S. E., Cor. Hathaway	12.80
	S. W. Cor. Hathaway	12.50
	N. E. Cor. Tinkham	12.85
	S. E. Cor. Tinkham	12.60

## STREET DEPARTMENT

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CURBING, NEW—*Continued.*

Street	Location	Length
Diman	S. W. Cor. Tinkham	12.40
	N. W. Cor. Tinkham	12.40
	S. E. Cor. Nash Rd.	12.80
Durfee	N. E. Cor. Mt. Pleasant	9.70
	S. S., E. of Richmond	69.80
	N. W., Cor. Caroline	13.65
	N. E., Cor. Caroline	11.05
	S. W. cor. Caroline	11.20
	S. E. Cor. Caroline	13.75
	N. E. Cor. Acorn	10.75
	N. W. Cor. Acorn	14.90
	S. E. Cor. Acorn	13.25
	S. W. Cor. Acorn	10.91
	N. W. Cor. Turner	14.00
	N. W. Cor. Oakland	13.50
Earle	N. E. Cor. Diman	12.70
	N. W. Cor. Diman	12.70
	N. S. E. of Acushnet Av.	14.15
Elm	S. S., W. of Pierce	19.50
	S. S., E. of Newton	37.20
	S. S., E. of Tremont	61.60
	N. E. Cor. Tremont	12.50
	S. E. Cor. Tremont	12.50
	S. S., E. of Florence	88.60
	S. E. Cor. Florence	12.80
Eugenia	S. S., W. of Bowditch	91.70
Fern	W. S., S. of Butler	97.65
Field	N. W. Cor. Hollyhock	12.90
	S. W. Cor. Hollyhock	12.90
	S. E. Cor. Hollyhock	12.80
	N. E. Cor. Hollyhock	12.80
Florence	E. S., S. of Elm	39.00
	E. S., S. of Elm	44.25
	S. E. Cor. Elm	12.70
	N. E. Cor. Elm	12.50
	E. S. N. of Kempton	1.00
Gifford	S. S., E. of Water	12.10
	S. S., E. of Water	198.40
	N. S., W. of Bowditch	14.30
		* 7.00
Glover	W. S., N. of Austin	106.50
Green	B. S., Allen to Bedford	50.00
Hathaway	N. E. Cor. Diman	12.80
Hicks	S. E. Cor. Howe	12.90
	N. S. Acushnet Ave., to Front	218.00
	S. S., Acushnet Ave., to Front	258.60
Highland	E. S., S. of Mt. Vernon	85.02
	E. S., S. of Mt. Vernon	60.82
Hillman	N. W. Cor. Summit	12.90
	N. E., Cor. Summit	13.20
Hollyhock	S. W. Cor. Dartmouth	12.70

STREET DEPARTMENT  
CURBING, NEW—*Continued.*

Street	Location	Length
Hussey	N. E. Cor. Lake	12.20
	N. W. Cor. Lake	12.80
	W. S., N. of Lake	90.70
	E. S., S. of Kempton	60.60
James	E. S., S. of Union	48.70
	E. S., S. of Kempton	48.20
	E. S., Kempton to Middle	49.90
Jenkins	S. E. Cor. Hemlock	12.65
	N. E. Cor. Hemlock	12.40
Jenney	N. W. Cor. Elm	13.15
Jenney Lind	S. W. Cor. North	12.50
	S. E. Cor. North	12.50
Katherine	N. E. Cor. North	12.60
	S. W. Cor. Crapo	12.90
	N. W. Cor. Crapo	15.95
	S. E. Cor. Bonney	12.75
	N. E. Cor. Bonney	12.75
Keene	S. S., E. of Liberty	42.30
	S. W. Cor. Park	12.50
Kempton	N. S., Park to Newton	127.50
	S. W. Cor. Newton	12.50
	N. S., Newton to Liberty	78.90
	N. E. Cor. Liberty	8.50
	N. S., Liberty to James	206.70
	S. W. Cor. James	2.50
	S. W. Cor. Lindsey	3.90
	N. W. Cor. Lindsey	12.70
	N. S., Lindsey to Jenney	195.40
	N. E. Cor. Jenney	12.40
	S. E. Cor. Jenney	4.40
	N. W. Cor. Jenney	12.50
	S. W. Cor. Jenney	12.60
	S. S., Jenney to Florence	194.20
	N. S., Jenney to Florence	170.10
	S. W. Cor. Florence	12.60
	S. S., Florence to Rounds	239.90
	N. S., Florence to Butler	199.00
	N. S., Hunter to Beech	134.85
	N. W. Cor. Beech	12.50
	N. S., Beech to Summit	200.97
Lake	S. W., Cor. Rockdale Ave.	12.55
	N. W. Cor. Rockdale Ave.	12.75
	N. S., E. of Hussey	60.25
	N. W. Cor. Hussey	12.10
	N. S., W. of Hussey	112.50
Lake	N. E. Cor. Buttonwood	12.80
	S. E. Cor. Buttonwood	12.60
Locust	S. S., E. of Summer	82.40
Lombard	N. E., Cor. Rockland	12.20
	N. W. Cor. Rockland	12.80

CURBING, NEW—*Continued.*

Street	Location	Length
Maple	Orchard to Cottage, N. S.	57.85
	N. S., E. of Cottage	59.00
	S. S., Rotch to Atlantic	58.75
	S. S., E. of Rotch	54.90
	N. S., Rotch to Brownell	91.20
Mathews	N. E., Cor. Brownell	12.60
	S. W., Cor. Field	12.70
	N. W., Cor. Field	18.77
	N. E. Cor. Field	13.00
	S. E. Cor. Field	12.55
	S. W., Cor. Stephen	10.35
	S. E. Cor. Stephen	15.70
	S. E. Cor. Stackhouse	15.35
Maxfield	S. W., Cor. Stackhouse	10.30
	N. W. Cor. Liberty	13.00
	N. E. Cor. Liberty	12.70
	S. W., Cor. Summit	13.03
Middle	S. E. Cor. Summit	8.60
	N. W. Cor. Lindsey	12.20
	N. E. Cor. Lindsey	12.60
	S. E. Cor. Lindsey	12.80
	N. E. Cor. Jenney	12.80
	S. E. Cor. Jenney	13.50
	S. W. Cor. Jenney	11.70
	N. W. Cor. Jenney	12.10
Mill	N. E. Cor. Florence	12.70
	S. E. Cor. Florence	12.80
	S. E. Cor. Jenney	12.50
	S. W. Cor. Jenney	12.60
Moreland Terrace	N. S., W. of Ash	167.00
Mt. Pleasant	S. E. Cor. Peckham	15.50
	N. E. Cor. Peckham	9.90
Mt. Vernon	S. S., Highland to Vine	48.70
Nash Rd.	S. S., W. of Acushnet Ave.	60.00
	S. S., W. of Acushnet Ave.	129.90
	S. S., W. of Acushnet Ave.	99.60
	S. S., Bowditch to Acushnet Av.	94.90
	W. S., S. of Elm	41.30
Newton North	S. E. Cor. Summit	12.50
	N. E. Cor. Summit	12.50
	N. W. Cor. Summit	12.50
	S. W. Cor. Summit	12.60
Ocean	E. S., S. of Union	45.95
	E. S., N. of Arnold	46.30
Oak	W. S., N. of Pope	85.00
Palmer	E. S., N. of Court	32.60
Pierce	E. S., S. of Kempton	72.90
	W. S., S. of Kempton	83.97
	W. S., S. of Kempton	48.20
Pleasant	E. S., Bedford to Russell	186.55
	E. S., Spring to Union	84.20

**STREET DEPARTMENT**  
**CURBING, NEW—Continued.**

Street	Location	Length
Plymouth	S. S., W. of Palmer	44.75
	N. S., Brigham to Brownell	46.20
	N. S., W. of Brigham	115.23
	N. S., E. of Brownell	84.80
	S. S., E. of Brownell	50.25
Pope	N. S., W. of Oak	48.90
	N. S., E. of Summer	39.00
Potomska	S. S., Water to Front	163.20
	N. S., Water to Front	162.05
Prisiclla	S. S., E. of Brigham	51.30
Purchase	W. S., School to Spring	113.80
	S. W. Cor. Spring	12.60
	E. S., Spring to Union	96.45
Query	S. S., W. of Bowditch	13.95
		* 8.00
Richmond	W. S. N. of Parker	47.20
	E. S., S. of Durfee	82.00
	E. S., Trinity to Durfee	131.79
	E. S., Trinity to Durfee	33.63
	N. S., W. of Richmond	46.15
Robeson	N. E., Cor. Stephen	8.08
Rockdale Ave.	E. S., Hawthorn to Maple	72.40
Rotch	E. S., Hawthorn to Maple	74.95
	E. S., S. of Arnold	40.50
	W. S., N. of Arnold	45.80
	W. S., S. of Union	41.35
	N. E., Cor. Court	12.60
Rounds	E. S., N. of Court	84.95
	W. S., N. of Court	41.95
	W. S., N. of Court	34.50
	E. S., S. of Elm	71.30
	E. S., S. of Elm	40.50
	W. S., S. of Elm	78.50
	N. S., W. of Brownell	81.80
	N. S., E. of County	214.20
Ryan School	N. E., Cor. of County	9.85
	S. W., Cor. of Nelson	12.70
Second	N. W., Cor. Nelson	11.40
	N. W., Cor. Smith	12.60
Shawmut Ave.	Cor. of Front	12.70
	W. of Front	30.60
Shepherd's Lane	S. W., Cor. Cove Rd.	6.12
	S. E., Cor. Liberty	12.50
Shore Smith So. Front	E. S., N. of Gifford	378.70
	E. S., N. of Delano	380.50
	W. S., N. of Delano	19.00
	W. S., N. of Delano	297.90
	W. S., S. of Blackmer	33.10
	S. W., Cor. Blackmer	12.60
	S. E., Cor. Blackmer	12.80
	S. E., Cor. Potomska - Mill Gate	13.50

STREET DEPARTMENT  
CURBING, NEW—*Continued.*

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Street	Location	Length
So. Front	N. E. Cor. Potomska - Mill Gate	12.75
	S. W., Cor. Potomska " "	12.40
	N. W., Cor. Potomska " "	12.80
	N. W. Cor.. Rivet	12.70
	E. S., Rivet to Potomska	425.50
	W. S., Rivet to Potomska	459.80
	N. E. Cor. Potomska	12.95
	N. W. Cor. Potomska	12.65
	S. E. Cor. Potomska	11.55
	S. W. Cor. Potomska	12.60
	S. W. Cor. Sheperd's	12.60
	E. S., S. of Parker	56.60
	S. S., Purchase to Pleasant	101.60
	N. E. Cor. Elm	12.50
Spencer	S. W., Cor. Middle	12.50
Spring	S. E., Cor. Mill	12.80
Summer	W. S., Mill to North	37.70
	E. S., Mill to North	158.75
Summit	S. W., Cor. Campbell	8.50
	N. W. Cor. Mill	12.50
	S. E. Cor. Hillman	12.50
	S. W. Cor. Hillman	12.60
Swift	N. S., W. of Hemlock	44.50
Sycamore	S. S., W. of Park	55.75
Tremont	E. S., N. of Maple	65.70
	E. S., S. of Elm	51.00
	N. E., Cor. Richmond	8.70
Trinity	N. E. Cor. Durfee	20.05
Turner	S. S., Chancery to Park	34.90
Union	S. S., W. of Ocean	40.05
	S. S., E. of Tremont	40.30
	N. S., E. of W. French Ave.	80.80
Valentine	S. S., W. of Front	87.65
Washburn	S. E., Cor. North	12.50
Watson	N. E., Cor. North	12.60
	S. S., Myrtle to Summer	85.40
Weld	S. S., E. of Summer	44.20
	W. S. N. of Cove Rd.	45.10
	N. E., Cor. Diman	12.75
W. French Ave.	N. W., Cor. Diman	12.65
	S. S., Bowditch to Brook	212.70
Whitman	S. S., W. of Cedar	66.50
Willow	N. S., W. of Acushnet Ave.	8.25
Wing	N. W., Cor. Bolton Road	15.10
Winsper	S. W., Cor. Bolton Road	12.80
	N. E. Cor. Hemlock	12.70
	S. E. Cor. Hemlock	12.60
		18,535.62

\*Partly Old.

Total cost of New Curb	\$17,569.73
Cost per foot	.947
Cost per foot of stone	.55



# STREET DEPARTMENT FILLING AND GRADING.

Street	Location	Cost
Acorn	So. of Durfee	\$ 210.15
Allen	Rockdale Ave., west	1,789.59
Armour	So. of Union	340.56
Bank	Stephen to Stackhouse, No. of Rockdale Ave.	2,425.73
Bates	E. of Acushnet Ave.	893.82
Beech	N. of Hillman & N. of Maxfield	130.22
Bowditch	N. of Whitman, N. of Nash Rd. Hd. of Wood	295.67
Brownell street	Hawthorn to Maple Maple to Clinton	366.91 165.17
Buchanan	W. of Summer	328.05
Cedar Grove	Acushnet Ave., to Conduit	
Central Ave.	W. of Bowditch	400.08
Chancery	Cor. of Park	51.52
Charles		63.00
Clifford	W of Bowditch	315.12
Clinton	Rotch to Brownell	70.39
Coggeshall	Reynolds to Myrtle	396.51
Diman	Bowditch to Edison Belleville Rd., to Davis	2,340.62
Dudley	Brock Ave. to W. French Ave.	52.02
Durfee	E. of Rockdale Ave.	233.03
Elm	Jenney to Lindsey Jenney to Florence	561.11
Earle	East of No. Front	277.30
Eugenia	W. of Bowditch E. of Brook	54.34
Field	Hollyhock to Mathew	109.44
Frederick	E. Fr. Ave. to Brock Ave E. of Cleveland	429.99
Grant	E. of Brock Ave.	74.80
Green	Rockdale Ave., to Jenney Lind Bedford to Allen	
Hollyhock	So. of Bedford	353.68
Hunter	S. S., W. of Field	240.56
Irvington		208.39
Kearsage		75.95
Kempton		464.09
W. Elm	W. of Park	
W. Elm	At North	
Middle	Jenney to Florence	
Liberty	James to Lindsey	925.33
Luke	Maxfield to Smith	583.85
Mathew		149.35
Middle	Stephen to Rockdale Ave W.-Park to Chancery James to Lindsey	1,832.85 305.43

## STREET DEPARTMENT.

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FILLING AND GRADING.—*Continued.*

Street	Location	Cost
Milford	Irvington street, No.	\$ 425.81
Morgan		225 64
Palmer	Maple to Arnold	278.63
Parker	E. of Rockdale Ave.	173.50
Pleasant	Wing to Bedford	
	Spring to Union	1,151.39
Query	West of Bowditch	1,841.41
Reed	North of Hawthorn	344.88
Robeson	N. S., East of Shawmut Ave.	130 93
Rochambeau	Irvington St., North	439.70
Rockdale Ave.	So. of Union,	
	So. of Winterville	
	No. of Hawthorn	3,674.85
Round	Hawthorn to Maple	
	Elm to County	170.81
Shaw	Bowditch to Acushnet Ave.	523.07
Sixth	Spring to Union	
	Bedford to Allen	180.73
Sycamore	West of Park	458.81
Tinkham	E. of North Front	353 04
Whitlow	Durfee to Grand	299.47
Whitman	West of Hope	
	East of Diman	814.42
Sundry	Costing less than \$50.00	265.44
		\$ 29,267.15

## GUTTERS, NEW. 1914.

STREET	LOCATION	LENGTH FEET	AREA SQ. YDS.
Acorn	B. S. S Durfee	603.70	234.76
Armour	B. S. Arnold to Union	1,073.50	417.50
Bannister	B. S. Peckham to Coggeshall	489.40	190.50
Bates	S. S. Ernest to Merrill Across Ernest	309.00	128.50
Bates	N. S. Merrill to Acushnet Ave.	885.40	344.30
Beech	B. S. North to Hillman	523.00	203.38
Beech	B. S. Hillman to Maxfield	621.20	241.58
Beech	B. S. north Maxfield	642.00	249.60
Belleville Ave.	B. S. Kilburn to Washburn	573.90	1,912.90
Bolton	S. W. cor Sydney	15.00	5.80
Bolton	N. W. cor Sydney	13.00	5.00
Bonney	B. S. Winsor to Katherine	314.85	122.42
Bonney	B. S. Katherine to Rivet	762.00	296.40
Bowditch	N. W. cor Glennon	28.80	11.20
Bowditch	S. W. cor Query	26.50	10.30
Brownell	B. S. south Maple	581.00	225.88
Brownell	B. S. Maple to Arnold	711.00	276.60
Cedar Grove	S. W. cor Myrtle	12.50	4.90
Cedar Grove	B. S. east Summer	714.80	205.26
Cedar Grove	S. E. cor Summer	13.50	4.50
Cedar Grove	N. E. cor Summer	13.50	4.50
Clinton	B. S. Rotch to Brownell	359.00	139.60
Clinton	B. S. west of Brownell	116.00	45.10
Coggeshall	B. S. Reynolds to Myrtle	552.70	215.10
Cove Rd	S. S. west of Shore	225.60	75.20
Crapo	W. S. S Katherine	27.60	10.70
Crapo	W. S. N Katherine	30.60	11.90

## GUTTERS, NEW—Continued.

STREET	LOCATION	LENGTH FEET	AREA SQ. YDS.
Dartmouth	W. S. north Rockdale Ave.	81.20	31.57
Dartmouth	E. S. Rockdale Ave. - Jenkins	818.80	318.42
Dartmouth	W. S. Matthew to Hollyhock	168.00	46.66
Dartmouth	W. S. Hollyhock to Stowell	178.20	49.50
Dartmouth	W. S. Stowell to Edward	262.70	72.97
Dartmouth	W. S. Edward to Babbitt	192.70	53.52
Dartmouth	W. S. Babbitt to Weaver	188.20	52.27
Diman	B. S. Davis to Earle	201.40	78.50
Diman	B. S. Earle to Hathaway	331.60	129.00
Diman	B. S. Hathaway to Tinkham	418.60	163.00
Diman	B. S. Tinkham to Nash Rd.	337.30	131.20
Diman	B. S. Whitman to Eugenia	373.40	145.20
Diman	B. S. Eugenia to Belleville Rd.	381.00	148.10
Durfee	B. S. Summer to Mt. Pleasant	235.80	78.50
Durfee	B. S. W Shawmut Ave.	2,117.00	823.28
Earle	B. S. Belleville Ave. to No. Front	1,288.80	501.00
Elm	B. S. E. Liberty	338.00	131.40
Elm	B. S. Jenney to Florence	426.20	166.10
Field	B. S. Hollyhock to Matthew	335.60	130.60
Frederick	B. S. E. French Ave. to Brock	1,513.20	588.50
Frederick	N. E. cor Brock	14.00	5.50
Frederick	S. E. cor Brock	15.00	5.80
Grant	S. S. Rockdale to Jenney Lind	452.80	176.10
Hazzard	S. S. Purchase to Pleasant	203.80	79.25
Hillman	B. S. Rockdale to Jenney Lind	1,034.80	402.50
Hollyhock	N. S. Dartmouth to Field	594.00	231.00
Hollyhock	S. S. W. Dartmouth	601.00	233.70
Hollyhock	B. S. Field to Cemetery	459.40	178.60

## STREET DEPARTMENT

## GUTTERS, NEW—Continued.

STREET	LOCATION	LENGTH FEET	AREA SQ. YDS.
Hunter	B. S. Hillman to Maxfield	612.50	238.18
Hussey	B. S. Lake to Kempton	152.00	50.60
Jenkins	B. S. Bolton to Hemlock	1,143.20	444.60
Jenny	B. S. Kempton to Mill	326.50	126.96
Katherine	B. S. Crapo to Bonney	547.40	212.50
Katherine	B. S. Bonney to Orchard	646.80	251.30
Katherine	cor Orchard	34.00	24.20
Kenyon	B. S. Belleville Ave to No. Front	742.50	288.74
Kenyon	B. S. Front to Acushnet Ave.	1,512.00	503.99
Lake	B. S. Rockdale to Buttonwood	893.80	347.60
Liberty	B. S. Maxfield to Smith	1,459.70	583.40
Lombard	B. S. S Rockland	513.50	199.80
Maple	B. S. Palmer to Reed	587.40	228.20
Matthew	B. S. Dartmouth to Field	1,186.80	461.50
Matthew	B. S. Field to Rockdale	2,092.00	813.50
Maxfield	S. S. E Summer	56.00	18.66
Middle	B. S. James to Lindsey	379.80	147.80
Middle	B. S. Lindsey to Jenny	400.00	155.40
Middle	B. S. Jenny to Florence	452.20	175.73
Myrtle	W. S. Coggeshall to Adams	245.60	95.60
Nelson	B. S. Second to County	608.70	236.60
North	S. S. E Watson	39.00	13.00
North	B. S. Watson to Kempton	435.00	169.13
North	B. S. Beech to Summit	437.00	145.66
North	B. S. W Summit	426.00	142.00
North	B. S. W Rockdale Ave	868.00	289.32
North	B. S. E Jenny Lind	534.50	178.16
North	B. S. Jenny Lind to Watson	465.00	154.90

## STREET DEPARTMENT

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## GUTTERS, NEW—Continued.

STREET	LOCATION	LENGTH FEET	AREA SQ. YDS.
Oak	B. S. N Allen	148.00	49.40
Orchard	E. S. S Katherine	306.70	119.20
Orchard	E. S. S Katherine to Rivet	394.00	133.20
Peckham	B. S. W Summer	564.80	219.70
Rockdale Ave.	N. S. Dartmouth to Stephen	528.50	243.88
Rockdale Ave	B. S. Court to Lake	770.90	321.90
Rounds	B. S. Court to Elm	907.40	352.90
Shaw	B. S. Acushnet Ave. to Bowditch	3,156.00	1,227.30
Smith	B. S. Park to Liberty	837.50	325.70
Spring	S. S. Purchase to Pleasant	105.90	35.30
Summit	B. S. Mill to North	339.60	113.20
Summit	B. S. North to Hillman	516.20	172.06
Summit	B. S. Hillman to Maxfield	678.80	264.00
Tinkham	B. S. E North Front	981.20	381.60
Washburn	B. S. E Belleville Ave.	737.00	245.66
Watson	B. S. N Kempton	460.50	175.40
Weaver	S. S. W Dartmouth	641.10	213.66
West	E. S. N Taber	148.60	57.80
Whitman	B. S. Hope to Diman	1,310.50	509.60
Winsor	B. S. Crapo to Bonney	390.50	151.80
Winsor	B. S. Bolton to Hemlock	1,165.60	453.30
		56,687.85	23,441.11

Cost per sq. yd.  
Cost per L. foot

\$ .55 laying only  
.22 laying only

## GUTTERS REPAIRED 1914.

Total cost \$698 22

STREET DEPARTMENT  
GRANOLITHIC, 1914.

Street	Location	Area Sq. Yds.
Acushnet Ave.	N W cor Wing	264.28
Acushnet Ave.	N E cor Earle	100 17
Acushnet Ave.	S W cor Braley Rd.	83.12
Acushnet Ave.	N W cor Braley Rd.	92.85
Allen	N S W Briggs	129.92
Arch	W S S Union No. 5	30.18
Arch	W S S Union No. 3	19.56
Arch	S W cor Union	109.64
Armour	E S -S Union	27.82
Arnold Pl.		2.01
Arnold Pl.	W S -N Arnold No. 27	45 94
Arnold	S S -E James No. 306	19.96
Arnold	N W cor Brownell	66.93
Atlantic	E S -N Maple No. 82	40.21
Austin	N E cor Cottage	59.19
Bedford	N W cor Sixth	85.39
Bedford	N W cor Brigham	119.32
Beech	E S -N Kempton No. 8	35.00
Beech	E S -N Maxfield	21.29
Bowditch	cor Glennon	364.49
Brownell	N W cor Ryan	125 51
Brownell	S E cor Carroll	101.54
Brownell	W S -S Maple No. 145	28.86
Brownell	W S -N Arnold	63.10
Buttonwood	E S -N Lake No. 22	28.82
Buttonwood	E S -N Lake	28.50
Buttonwood	W S -N Lake No. 23	29 32
Carroll	N S -E Brownell	28.67
Cedar	S W cor Willow No. 363	72.46
Chestnut	W S -S Robeson No. 255	21.65
Chestnut	W W -S Robeson No. 257	20.88
Clinton	S S -W Orchard	33.18
Clinton	S S -E Chancery	25 91
Clinton	S S -W Rotch	21.60
Clinton	S W cor Brownell	84.45
Clinton	N W cor Brownell	81.94
Clinton	N E cor Brownell	70.84
Coggeshall	N S -E No. Front No. 253	38.42
Cottage	W S -N Collins	33.29
County	N E cor School	109 69
Court	S S -W Park No. 212	15.27
Court	S S -E Newton	7.38
Court	S S -E Newton No. 224	43.25
Deane	N S -W No. Front No. 87-89	29.71
Elm	S W cor Purchase	10.69
Elm	S S -W Pierce No. 394	16.47
Elm	S S -E Newton	16.21
Elm	S S -E Tremont	26.84
Eugenia	S S -W Bowditch	57.91
Florence	E S -S Elm No. 38-40	22.90
Florence	S E cor Elm No. 44	64.61

## STREET DEPARTMENT

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GRANOLITHIC—*Continued.*

Street	Location	Area Sq. Yds.
Glover	W S -N Austin No. 3	26.69
Glover	W S -N Austin No. 7	26.01
Highland	E S -S Mt. Vernon	27.59
Hillman	S S -E Foster	12.62
Hillman	S E cor Foster	7.62
Howland	N S -W Second No. 79	13.30
Howland	N S -W Second No. 83	36.50
Hunter	N W cor Kempton	30.99
James	E S -S Union No. 74	22.54
James	E S -S Kempton No. 208	24.27
James	E S -S Kempton No. 210	25.55
Jenny Lind	Driveway No. 32	16.95
Keane	E Liberty No. 42	3.00
Keane	S E cor Liberty No. 46	31.00
Kempton	S W cor Pierce	67.01
Kempton	N W cor Hunter	54.92
Lake	N E cor Hussey No. 22	61.27
Lake	N W cor Hussey	107.01
Locust	S S -E Summer	83.46
Maple	N S -E Cottage	73.16
Maple	N S -E Tremont	26.98
Maple	S S -E Rotch No. 240	27.24
Maple	S E cor Rotch	83.94
Maple	N S -E Brownell	54.96
Maxfield	N S -W County No. 185	37.58
Merrimac	E Chestnut	14.74
Middle	E Second	153.76
Moreland Ter.	N S -W Ash	98.75
Morgan	No. 45	51.77
Mt. Vernon	S E cor Highland	64.80
Nash Rd.	No. 190	34.12
Nash Rd.	No. 194	31.42
Nash Rd.	No. 204-208	53.68
Nash Rd.	No. 212	27.65
Nash Rd.	S S W Acushnet Ave.	2.11
Nash Rd.	S S -E Bowditch	53.71
Newton	E S -N Court No. 46	22.77
Newton	E S -N Court No. 48	22.27
Newton	S Elm No. 52	22.31
Newton	S Elm No. 56	22.18
Newton	No. 60	22.67
Newton	W S -S Elm No 63	21.76
North Front	No. 137-141	135.58
North Oak	N W cor Pope	52.11
Nye	S S - W Acushnet Ave. No. 78	79.17
Nye	S S -W Acushnet Ave. No. 80-82	48.55
Ocean	E S -N Arnold No. 42	34.75
Ocean	S Union No. 64	36.27
Palmer	E S -N Court No. 240	21.27
Palmer	N Elm No. 275	23.04
Palmer	W S -N Elm No. 277	22.78



STREET DEPARTMENT  
GRANOLITHIC—*Continued.*

Street	Location	Area Sq. Yds.
Palmer	E S - N Elm No. 278	23.64
Palmer	W S - N Elm No. 279	23.08
Park	W S - S Mill	27.35
Pierce	S Kempton	90.47
Plymouth	N S - W Brigham	116.53
Plymouth	S W cor Palmer	32.18
Plymouth	S S - E Brownell	28.40
Plymouth	N S - E Brownell	115.96
Pope	N W cor North Oak	31.11
Pope	N S - E Summer	35.57
Priscilla	W - West	23.89
Purchase	W S - N Thompson	115.45
Purchase	W S - S Spring	197.18
Purchase	N E - cor Spring	104.83
Purchase	E S - N Union	48.77
Query	S S - W Bowditch	84.69
Richmond	W S - N Parker No. 9	43.89
Richmond	W S - N Parker	44.42
Rivet	S E - cor First	58.03
Rivet	No. 273	47.82
Robeson	N S - W Richmond	23.44
Rotch	E S - S Maple	46.06
Rotch	E S - N Clinton	33.67
Rotch	W S - N Arnold	27.27
Rounds	E S - S Elm No. 62	25.46
Rounds	E S - S Elm	21.20
Rounds	E S - S Elm	84.07
Rounds	W S - S Elm	43.76
Rounds	W S - S Elm	20.60
Rounds	W S - S Elm No. 71	20.32
School	N E cor County	186.66
School	Grace Church property	17.64
Spencer	E S - N Willis	30.47
Studley	S S - E Summer No. 14	41.89
Summer	S Merrimac	40.30
Sycamore	No. 170-172	38.51
Tremont	N - Maple No. 50-52	35.51
Tremont	S Elm No. 200	31.59
Union	N S - E Purchase	39.65
Union	S S - E Seventh No. 256	61.84
Union	S S - W Chancery	34.12
Union	N W cor Cottage	155.80
Union	S S - W Ocean No. 494	27.71
Union	S S - E Tremont	28.86
Valentine	No. 81-83	53.30
Water	W S - N Howland No 433-437	49.61
Weld	N E cor Bowditch	311.24
Weld	No. 264-268	52.77
Weld	S E cor Summer	68.02
West French Ave.	N Cove No. 43	58.86
Whitman	No 242-250	130.91

## STREET DEPARTMENT

47

GRANOLITHIC—*Continued.*

Street	Location	Area Sq. Yds
Whitman	S S - W Bowditch	2.50
William	N S - E Eighth	41.13
Union	Winslow Bldg.	116.90
Purchase	W S - N Mechanics Lane	149.87
Widenings	Pleasant - N W cor Spring	
	Sixth - N E cor Spring	368.60
	Pleasant - W. S - S Union	64.74
	Purchase - W S - S Elm	110.55
	Sixth - S E cor Union	92.96
	Union - E Pleasant	24.93
	S E cor Pleasant	35.60
	S W cor Pleasant	45.08
		9520.42

Labor digging, preparing foundation for 9520.42 sq. yds

\$ 8311.89

Contracted bills - laying concrete

8328.30

Total

\$ 16660.19

Average cost per square yard

\$ 1.77

## STREET DEPARTMENT

## ENDURITE PAVEMENT,

Street	Location	Sq. Yds.	Cost
Allen	Dartmouth to Rural	11,116.00	\$17,521.54
Coggeshall	Acushnet Ave to Bowditch	1,402.00	2,361.50
Cove	At First	150.00	191.29
Green	Allen to Bedford	911.00	1,940.81
Kempton	Park to Rockdale Ave	8,040.00	15,721.84
Morgan	County to Cottage	1,989.00	3,845.27
Pleasant	Grinnell to Russell	3,565.00	
Purchase	Union to Spring	694.40	7,211.57
Sixth	Maxfield to Weld	9,367.00	18,367.97
Summer	Spring to Union	793.00	1,260.94
	Kempton to Willis	6,129.00	14,623.33
Miscell. charges			64.35
Retainer - carried over to 1915			9,211.01
		44,156.40	\$92,321.42

Average cost per sq. yd. \$2.09

## BLOCK PAVING, Hassam System.

Street	Location	Sq. Yds.	Cost
Front Gifford Potomaska Hicks* Purchase*	Front to Acushnet Ave. Rivet to Bedford	6,026.00	\$21,378.49
		2,214.00	4,426.57
		7,590.00	13,676.16
Retainer carried over to 1915			3,183.46
		15,830.00	\$42,664.68
*Paved with old blocks			
Average cost per sq. yd. with new blocks		\$ 3.56	
Average cost per sq. yd. with old blocks		\$ 2.15	
Common block paving			
Sq. Parker & Summer			\$ 38.39
Sq. Acushnet Ave. & Grinnell			22.34
			\$ 60.73
Cement Concrete Paving.			
In track in West French Ave.		585.00	\$ 1,026.14

## STREET DEPARTMENT

## MACADAM.

NEW	1909	1910	1911	1912	1913	1914
Length in feet	23,267.00	38,929.90	38,898.40	38,224.10	36,957.90	37,657.00
Area in square yards	55,484.21	92,318.41	92,392.60	91,564.00	81,756.79	86,398.92
Tons of stone used	21,432.99	31,973.47	23,044.67	30,010.00	28,615.00	30,354.00
Total cost	\$30,378.23	\$48,582.13	\$42,909.05	\$52,163.20	\$47,353.71	\$61,577.09
Cost per square yard	.54	.529	.518	.603	.54	.70
Average tons of stone used per sq. yd.	.40	.342	.307	.348	.35	.35
REBUILT:						
Length in feet	21,387.59	17,443.10	23,535.60	35,173.00	52,097.73	44,824.29
Area in square yards	51,322.73	39,049.40	44,020.30	73,708.00	114,920.05	106,993.61
Tons of stone used	18,016.45	9,886.15	13,050.19	16,445.00	26,432.00	18,018.00
Total cost	\$24,576.83	\$19,316.16	\$34,601.86	\$32,124.83	\$43,862.78	\$45,735.20
Cost per square yard	.477	.462	.46	.421	.38	.43
Average tons of stone used per sq. yd.	.351	.291	.201	.223	.23	.23
REPAIRED.						
Total cost	\$3,316.85	\$5,983.60	\$3,829.98	\$5,643.70	\$4,465.99	\$5,909.04

## HIGHWAY IMPROVEMENT.

CURBING	1909	1910	1911	1912	1913	1914
Length	13,124.80	21,944.60	28,166.96	19,724.41	29,783.47	18,535.62
Cost	\$9,973.08	\$13,181.65	\$26,047.74	\$19,260.32	\$26,931.52	\$17,569.73
Cost per foot of stone	\$ .835	.898	.98	1.01	1.02	.947
Cost per foot of labor	\$ .550	.550	.49	.50	.55	.55
Cost per foot of curbing	\$ .285	.348	.49	.51	.47	.397
Total cost of curbing relaid	\$1,905.53	\$11,047.53	\$ 3,045.97	\$ 1,966.29	\$ 855.56	\$ 2,721.19

## GUTTERS.

NEW	1909	1910	1911	1912	1913	1914
Length in feet	42,527.24	64,697.80	38,995.70	72,428.00	41,389.20	56,687.85
Ave age width	3.50	3.50	3.50	3.50	3.50	3.50
Area in square yards	15,717.55	26,392.40	15,244.25	27,484.09	18,102.88	23,441.11
Cost	\$11,915.92	\$22,073.25	\$13,940.52	\$25,077.59	\$15,258.07	\$13,439.79
Cost per square yard	.758	.825	.893	.912	.84	.55*
Cost per foot in length of average width	.28	.341	.35	.346	.36	.22*
REPAIRED						
Length in feet		3,483.16	1,089.00			
Area in square yards		1,436.00	367.70			
Cost	\$ 670.80	\$ 1,284.36	\$ 1,049.69	\$ 1,431.06	\$ 2,335.23	\$ 689.22
Cost per square yard						
Cost per foot in length						

\*Laying only (old cobbles from streets used over).

## BITULITHIC.

	1909	1910	1911	1912	1913	1914
Length, new		3,707.30		1,904.00		
Area in square yards		13,263.86	30,567.17	4,558.94	9,635.00	
Total cost		\$ 39,211.88	\$ 74,264.76	\$ 10,342.75	\$ 26,973.20	
Cost per square yard		2.956	2.44	2.53	2.74	
Top Coat:						
Length						
Area in square yards						
Total cost			\$ 5,046.02	\$ 4,122.53		

## ENDURITE.

	1909	1910	1911	1912	1913	1914
Length				4,368.30		
Area in square yards				19,377.11	16,251.26	44,156.40
Total cost				\$ 30,376.65	\$ 36,070.57	\$ 92,321.42
Cost per square yard				\$ 1.63	\$ 2.05	2.09

## STONE PAVING.

	1909	1910	1911	1912	1913	1914
Granite Block-concrete foundation:						
Area in square yards		12,396.59	15,907.60	13,310.62	16,203.20	15,830.00
Cost	\$ 13,530.64	\$ 45,668.09	\$ 48,708.34	\$ 47,267.44	\$ 40,673.91	\$ 42,664.68
Cost per square yard	\$ 51,843.62	\$ 3.684	\$ 3.51	\$ 3.574	\$ 3.56	\$ 3.56

**Bridges.**



## BRIDGES.

Appropriation	\$8,000.00
Expenditures	<u>9,228.43</u>
Dr. Balance	\$1,228.43
*Total cost of N. B. Draw Bridge	\$8,997.03
**Total cost of Coggeshall St. Bridge	231.40
<hr/>	
*One-Fifth share to Town of Fiarhaven,	\$1,799.41
**One-Fourth share of Town of Fiarhaven	\$ 57.85

**ANNUAL REPORT OF THE NEW BEDFORD AND  
FAIRHAVEN DRAWBRIDGE.**

**YEAR ENDING DECEMBER 31, 1914.**

1914	Boats	Tow Boats	Barges	Schooners	Steamers	Vessels	No. of Openings	Tonnage	Miscellaneous
January	11	148	40	4	17	220	150	31,700	
February	4	111	36	0	14	165	108	29,000	
March	30	137	55	6	25	253	180	27,750	600 bbls.
April	149	150	61	0	26	386	273	39,600	Cordage Oil
May	204	104	54	0	28	390	303	28,550	600 bbls.
June	268	126	51	0	26	471	361	33,200	Cordage Oil
July	352	86	47	0	34	519	413	31,750	600 bbls.
August	310	82	37	4	24	457	365	30,250	Cordage Oil
September	301	92	36	4	15	448	347	34,350	600 bbls.
October	317	94	40	6	16	473	346	27,100	Cordage Oil
November	256	72	28	1	13	372	293	26,700	
December	72	76	25	4	21	198	144	23,700	
<b>Total</b>	<b>2,274</b>	<b>1,278</b>	<b>510</b>	<b>30</b>	<b>259</b>	<b>4,351</b>	<b>3,283</b>	<b>363,650</b>	



**Forestry.**

## STREET DEPARTMENT

## CITY FORESTRY.

Appropriation	\$5,300.00
Expenditures	<u>5,450.55</u>
Dr. Balance	\$ 150.55

## EXPENDITURES

Cutting, removing and trimming trees	\$3,452.53	
Moth hunting	1,213.25	
Tree planting (labor)	704.30	
Gypsy moth	<u>80.47</u>	
		\$5,450.55

80,103 browntail moth nests have been destroyed.

## **Sewers and Drains.**

## STREET DEPARTMENT

## SEWERS AND DRAINS.

Appropriation	\$20,000.00
Receipts	36,820.30
Stock on hand Dec. 1, 1913	4,565.31

Cr. Balance

\$61,385.61  
4,239.77

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\$57,145.84

## NET EXPENDITURES.

Appropriation	\$20,000.00
Credit Balance	4,239.77
	<hr/>
	\$15,760.23

## GROSS EXPENDITURES.

	Total
Auto truck	\$ 2,127.96
Boiler repairs	277.56
Catch-Basins cleaned	9,898.03
Catch-Basins repaired	710.68
Culverts, repaired and cleared	77.22
Eyeholes, new and repaired	667.89
Manholes, new and repaired	569.77
Main and Stable Office work	3,396.15
Miscellaneous	329.62
Rebates	120.00
Sewers, cleared and repaired	628.63
Surface Drains	763.42
Stock, carting and handling	398.78
Sewer machinery repairs	1,322.20
Tools, new and repaired	1,012.23
Drains to houses, new repaired and cleared	14,364.93
Stock on hand Dec. 4, 1914	2,057.86
Stock, labor and teaming charged at cost	18,422.91
	<hr/>
	\$57,145.84

Stock on hand Dec. 4, 1913	\$4,565.31
Stock on hand Dec. 4, 1914.	2,057.86
	<hr/>
Decrease in stock	2,507.45

## DRAINS LAID.

Number	Size Pipe	Length Feet	Cost
5	5-inch	138	\$ 64.09
499	6-inch	16,952	11,023.22
9	8-inch	572	679.97
6	10-inch	158	1,275.55
519		17,820	\$13,042.83

---

519 New Drains laid, cost	\$13,042.83
29 Drains repaired, cost	272.89
337 Drains cleared, cost	1,049.21
Total cost of drains (New, repaired and cleared)	<u>\$14,364.93</u>



## STREET DEPARTMENT

## SEWERS AND DRAINS.

Year	Net Expenditure	New Work	Maintenance and Repairs	Stock on Hand Decreased	Stock on Hand Increased
1909	\$ 13,633.79	\$ 753.05	\$ 12,903.57	\$ 22.83	\$ 2411.29
1910	16,022.76	232.95	15,807.59	17.78	1631.59
1911	32,695.62	10,524.08	19,760.25		309.65
1912	27,987.11	9,037.63	17,317.89		
1913	35,873.95	11,452.44	24,421.51		
1914	15,760.23	1,734.09	14,026.14	2,507.45	

**Sewer Construction  
Account.**

## SEWER CONSTRUCTION.

		Expenditures 1914.
Balance of C. 184 1907 from 1913	\$ 524.64	
Receipts	2,669.47	
	<hr/>	
	3,194.11	
Expenditures	2,435.51	\$ 2,435.51
	<hr/>	
Balance	\$ 758.60	
Balance of C. 131 1911 from 1913	\$ 7,717.08	
Receipts	13,945.47	
	<hr/>	
	21,662.55	
Expenditures	9,244.86	9,244.86
	<hr/>	
Balance	\$12,417.69	
Balance of C 76 1912 from 1913	\$ 1,575.34	
Receipts	6,819.99	
	<hr/>	
	8,395.33	
Expenditures	3,440.35	3,440.35
	<hr/>	
Balance	\$ 4,954.98	
C. 183 Appropriation	\$12,037.68	
Receipts	13,856.46	
	<hr/>	
	25,894.14	
Expenditures	7,340.27	7,340.27
	<hr/>	
Balance	\$18,553.87	
Sewer construction - 1914	\$50,000.00	
Receipts	2,218.36	
	<hr/>	
	52,218.36	
Expenditures	48,989.41	48,989.41
	<hr/>	
Balance	\$ 3,228.95	
Total Expenditures		<hr/> \$71,450.40

## SEWERS BUILT DURING THE YEAR 1914.

	Expenditures.
Acorn Street Sewer	\$ 373.87
Aquidneck street	803 01
Armour street	954.73
Brigham street	290.72
Brook street	5,313.70
Brownell street	20.73
Carroll street	978.79
Carroll street	546 69
Cedar Grove street	766.19
Central avenue	253.38
Charles street	548.30
Church street	621.44
Clinton street	1 560.41
DeWolf street	33.20
Ernest street	594 37
Eugenia street	812.75
Garfield street	369.22
Grape street	5.50
Harvard street	2,114.76
Hemlock street	318.22
Hemlock street	1,254.63
Hudson street	4,934.74
Irvington street	6,856.39
Luke street	1,589.05
Middle street	446.60
Milford street	648.37
Mill street	847.22
Mt. Vernon street	509.25
Phillips Avenue	227.93
Potter street	69.50
Princeton street	848.14
Purchase street	316.16
Query street	824.26
Richmond street	431 39
Rochambeau street	531.85
Rockdale Avenue	490.21
Rockdale Avenue	1,300.91
Rotch street	409.77
Round street	22.07
Spring street	160 90
Summer street	516.84
Sycamore street	401.46
Taber street	2,952.64
Topham, street	1,445.79
Topham street	1,725.29
Tripp's Brook Relief	13.58
Tripp's Brook Relief	11,968.75
Vernon street	435.30
Whitman street	196 77
Winterville Road	1,177.06
Wood street	1,796.82
Catch Basins	8,820.78
Total expenditures for 1914.	<hr/> \$71,450.40

## STREET DEPARTMENT

## CATCH BASINS, NEW.

Street	Location	Cost
Allen	N. E. cor. Cottage	\$ 67.39
Allen	N. W. cor. Waverly	209.34
Allen	N. W. cor. Oak	77.10
*Bates	N. S. west of Ernest	60.09
Belleville Ave.	N. W. cor. Bullard	
	S. W. cor. Bullard	154.72
*Belleville Ave.	S. W. cor. Deane	11.56
Belleville Rd.	N. W. cor. Ernest	74.79
*Brownell	N. E. cor. Farm	20.07
*Carroll	N. E. cor. Brownell	20.07
Cedar Grove	N. W. cor. Myrtle	87.95
Clinton	N. E. cor. Brownell	77.10
Conduit	N. W. cor. Bates	70.16
*County	N. W. cor. Scott	44.66
Diman	N. W. cor. Whitman	
	N. W. cor. Tinkham	
	N. W. cor. Hathaway	
	N. W. cor. Earle	330.74
Elm	S. W. cor. Purchase	49.53
Elm	N. E. cor. Chancery	63.19
Elm	S. W. cor. Liberty	62.89
Elm	S. W. cor. Tremont	61.83
Elm	S. W. cor. Jenny	
	S. E. cor. Jenny	121.42
Florence	N. W. cor. Middle	143.39
Frederick	B. S. between Brock & E. French Av.	
	N. W. cor. Cleveland	
	N. W. cor. E. French Ave.	
	S. W. cor. E. French Ave.	347.29
Front	S. W. cor. Potomska	
	N. W. cor. Potomska	145.34
Front	S. W. cor. Hazzard Lane	75.73
*Glennon	N. W. cor. Bowditch	16.91
James	S. W. cor. Elm	55.12
Jenkins	N. W. cor. Bolton Rd.	73.61
Jouvette	N. W. cor. Crapo	78.23
Katherine	N. W. cor. Crapo	71.78
Kempton	N. E. cor. Liberty	
	N. W. cor. Liberty	170.20
Kempton	N. W. cor. James	78.81
Kempton	N. W. cor. Lindsey	86.51
Kenpton	N. W. cor. Jenny	107.10
Kempton	S. W. cor. Rounds	88.37
Kempton	S. W. cor. Palmer	81.99
Kempton	N. W. cor. Beech	85.38
Kempton	N. W. cor. Summit	84.68
Lake	N. E. cor. Buttonwood	68.67
Matthew	N. S. west of Field	123.04
Matthew	N. W. cor. Field	80.91
Matthew	S. W. cor. Bank	79.84

CATCH BASINS, NEW—*Continued.*

Street	Location	Cost
*Middle	N. E. cor. Chancery	\$ 44.39
*Middle	N. W. cor. Jenny	
	S. W. cor. Jenny	111.88
Middle	S. W. cor. Lindsey	75.83
Nelson	N. E. cor. County	198.03
	N. W. cor. County	
Pleasant	E. S. between Grinnell & Wing	74.27
Pleasant	W. S. north of Spring	
	Spring N. W. cor Pleasant	81.18
*Pleasant	S. W. cor Union	32.33
*Plymouth	N. E. cor. Brownell	23.40
Potomska	S. W. cor. Prospect	76.84
Purchase	S. E. cor. South	
	S. W. cor. South	154.22
Purchase	S. W. cor. Pearl	69.39
Purchase	N. W. cor. Austin	80.54
Purchase	W. S. south of Dean	74.06
*River Rd.	N. W. cor. Belleville Ave.	44.56
*Rockdale Ave.	N. W. cor. Dartmouth	25.77
Rockdale Ave	N. W. cor. Court	82.73
*Rounds	S. W. cor. W. Elm	50.37
Ruth Ave.	S. E. cor. McGurk	153.28
School	N. W. cor. Purchase	66.27
Shawmut Ave.	S. E. cor. Topham	75.13
Slocum	N. E. cor. River Rd.	148.35
South	N. S. west of Second	76.23
Spring	S. W. cor. Purchase	63.59
Union	S. W. cor. Pleasant	75.88
Watson	N. E. cor. North	102.53
Whitman	S. W. cor. Acushnet Ave	86.71
Whitman	N. S. cor. Brook	81.11
Willis	S. W. cor. Purchase	78.53
Winsper	N. W. cor. Bolton Rd.	80.78
Catch Basins - New Miscellaneous charges		2625.10
		\$ 8820.78

\*Incomplete

Number of Catch Basins built 85

Average Cost

97.82

## CITY OF NEW BEDFORD.

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In Board of Alderman,

March, 25, 1915.

Received, ordered printed in the City Documents,  
and sent down for concurrence.

W. H. B. REMINGTON,

City Clerk.

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In Common Council,

March, 25, 1915.

Concurred.

CHARLES P. SAWYER,

Clerk.

CITY OF NEW BEDFORD, MASS.

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## Forty-fifth Annual Report

OF THE

# NEW BEDFORD WATER BOARD

TO THE

CITY COUNCIL

CONTAINING

I

THE REPORT OF THE WATER BOARD FOR 1914

II

THE REPORT OF THE WATER REGISTRAR

III

THE REPORT OF THE SUPERINTENDENT

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January 1, 1915

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NEW BEDFORD, MASS.  
THE J. E. BUDLONG PRESS  
1915



# NEW BEDFORD WATER BOARD

## 1915

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EDWARD R. HATHAWAY,	{ <i>Mayor of City and</i>
	{ <i>President of Water Board.</i>
JAMES F. COLLINS,	<i>President of Common Council.</i>
WILLIAM H. PITMAN,	Term expires June, 1915.
FRANCIS P. WASHBURN,	Term expires June, 1916.
LETTICE R. WASHBURN,	Term expires June, 1917.

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ROBERT C. P. COGGESHALL,	<i>Clerk of Board and Supt.</i>
CLIFFORD BAYLIES,	<i>Water Registrar.</i>
ADONIRAM S. NEGUS,	<i>Pumping Engineer.</i>
JOHN C. DEMELLO, JR.,	<i>Foreman, Distributing System</i>
ARTHUR R. WEEKS,	<i>Superintendent's Clerk.</i>
DAMON W. RICE,	<i>Clerk.</i>
RUPERT KOBZA,	"
WARREN TATTERSALL,	<i>Bookkeeper.</i>
FRANK M. HAMLIN,	<i>Water Registrar's Clerk</i>
ALFRED BRADLEY,	<i>Clerk.</i>
JOHN B. WILBUR,	<i>Inspector.</i>
GILBERT B. BORDEN, JR.,	"
ALONZO W. SPOONER,	"
JUSTIN C. PERKINS,	"
ARTHUR F. COLWELL,	"
THOMAS RAWCLIFFE,	"
LESTER F. SPOONER,	"
HENRY D. BACKUS,	"
ROBERT G. REFUSE,	"
GEORGE HUTCHINSON,	"

# REPORT

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CITY OF NEW BEDFORD, MASS.,  
OFFICE OF THE NEW BEDFORD WATER BOARD,  
JANUARY 1, 1915.

*To the City Council of the City of New Bedford:*

GENTLEMEN:—In accordance with the provisions of the Water Ordinance, the New Bedford Water Board respectfully submit their forty-fifth annual report. Accompanying it, will be found the reports of the Water Registrar and the Superintendent.

The following abstract, drawn from the report of the Water Registrar, shows the financial operations of the past year in condensed form:

## RECEIPTS.

Receipts from water rates,	\$303,487.60	
Receipts from other sources,	21,608.09	\$325,095.69
Less deficit December 1, 1913,		<u>4,634.00</u>
		\$320,461.69

## PAYMENTS.

Management and repairs, less interest, bonds paid, and sinking funds,	106,747.75	
Extension of works,	85,222.87	
Interest paid,	75,320.00	
Interest paid Sylvia Ann Howland fund,	0,000.00	
Bonds Paid	21,000.00	
Sinking funds,	27,930.00	316,220.62
Balance December 1, 1914,		<u>4,241.07</u>
		\$320,461.69

The actual outlay for the construction of these works, exclusive of debt, interest and management and repairs account is \$4,550,969.91.

Following is a statement of special extensions and renewals account (Chap. 75, Acts of 1912), to December 1st, 1914:

## WATER REPORT

Received from sale of bonds,	\$160,000.00
Received from sale of materials,	1,019.78
	<hr/>
	\$161,019.78
Payments,	161,019.78
	<hr/>
Account closed.	

On June 25th, Lettice R. Washburn was elected a member of this Board for a term of three years ending June 1917.

Of the fifty-two petitions for the extension of main pipes received, forty-six have been granted, and the main pipes have been extended 4.11 miles.

On February 3rd, the attention of this Board was suddenly called to a newspaper advertisement announcing a hearing before the Water Supply Committee of the Massachusetts Legislature to be held the next day (February 4th). This hearing related to House bills No. 735, and 1055 which would permit the City of New Bedford to furnish supplies of water to the Town of Dartmouth. The first bill originated from residents of Dartmouth located in the region of Bliss Corner and the Cove district, the second came from the Country Club of New Bedford and contemplated a supply to their Club plant in Dartmouth. This Board was of the opinion that the City Council should be informed of this proposed action and should have an opportunity to express themselves, but the remaining time previous to the hearing was too brief to communicate with them, so it was voted to send representatives to this hearing to request a postponement pending action by the City Council. Henry E. Woodward of this Board together with Superintendent Coggeshall appeared before the Committee with this request which was granted after all parties present had been heard. At a meeting of the City Council held on February 12th this whole matter was outlined to that body by Mr. Woodward. This Board was directed to act in the matter and report back to the Council, our report herewith follows.

On February 14th, a conference was held at the office of this Board with Herbert Wing, Dartmouth Representative of Massachusetts Legislature, and three others representing the Dartmouth Cove District which resulted

in the passage of a vote instructing City Solicitor Barney and Superintendent Coggeshall to prepare a draft of a bill that would be satisfactory to the City of New Bedford.

On February 21st, a second conference was held with Herbert Wing and two others who appeared in the interests of the Town of Dartmouth. The bill prepared by City Solicitor Barney and Superintendent Coggeshall for presentation to the Legislative Committee was read and discussed and it was pronounced satisfactory by the Dartmouth representatives.

On February 25th, a continuation of the hearing before the legislative Water Supply Committee was held at the State House, Mayor Ashley and Superintendent Coggeshall appeared for the City, and presented draft of bill agreed upon at the last conference between this Board and the Dartmouth representatives. In a later executive session the Legislative Committee decided to report this bill in modified form, cancelling the last two sections which appeared in the bill recommended by this Board.

All the foregoing action resulted a little later in the passage of the following Legislative enactment:

[CHAP. 188.]

AN ACT TO AUTHORIZE THE CITY OF NEW BEDFORD TO  
SUPPLY WATER TO THE TOWN OF DARTMOUTH.

*Be it enacted, etc., as follows:*

SECTION 1.—The City of New Bedford may furnish and sell by meter water to the Town of Dartmouth at the boundary line between said city and town at a rate to be agreed upon by the city and town but which shall not be less than that prevailing in New Bedford.

SECTION 2.—The Town of Dartmouth may at its own expense install mains, service pipes and all other equipment in the highways and other places of the town necessary to receive water purchased from the City of New Bedford and to distribute the water. [*Approved March 17, 1914.*]

On July 2nd, a communication was received from Herbert Wing, Clerk, Dartmouth Committee on Water Supply, dated June 29th, inquiring upon what basis the Town of Dartmouth could purchase water of the City of New Bedford, at what rates, and under what conditions. It was voted to instruct the Superintendent to communi-

cate with other places furnishing outside supplies, under similar conditions, and ascertain methods which they have adopted and report these facts back to this Board.

On October 1st, the Clerk placed before the Board a report outlining the methods adopted by various communities furnishing water supplies to adjacent towns. It was decided to wait for a meeting of the full Board before taking action.

On November 4th, the report of the Clerk presented at the last meeting was taken up by this Board and fully considered. This report reviews the methods adopted by the Metropolitan Water District, Cities of Providence, Brockton, Taunton and Springfield in furnishing outside supplies. A suggested form of agreement between the City of New Bedford and the Town of Dartmouth prepared by City Solicitor Barney and Superintendent Coggeshall was placed before the Board and considered. With a few changes the document met with their approval. This document fully outlines the conditions upon which this City will consent to furnish the supply. The Clerk was then directed to transmit a copy to Herbert Wing, Clerk of Dartmouth Committee on Water Supply in reply to his inquiry of June 29th. This was done and receipt of same has been acknowledged with statement that it will receive the attention of the Dartmouth Committee.

This completes the history of this transaction up to this date.

In our last annual report we furnish a full statement in regard to proposed relocation of syphon pipe upon the river bottom, across the draw channel south of the New Bedford and Fairhaven bridge, and which furnishes a water supply to Popes Island from Fish Island. A full history of this transaction appears in that statement from which it will be seen that the United States Government Engineers claim that the present location of pipe is not of sufficient depth to allow the dredging of channel to its full depth. Meanwhile, investigations of different schemes for furnishing a permanent supply to Popes Island have been in progress and William E. Foss, Consulting Engineer of Boston, made a full report upon this matter, a full copy of which appears in our last report. Among other sugges-

tions was a tunnel for the use of various public service corporations. The Union Street Railway Company, and the New Bedford Gas and Edison Light Company expressed themselves as interested in this scheme and we requested City Engineer, Gorege H. Nye, in consultation with Mr. Foss to prepare plans and specifications for the tunnel project.

The above outlines all action to the date of our last annual report. The history of the year now closing is as follows:—

March 5th. City Engineer Nye reports as follows:

February 26, 1914

*New Bedford Water Board,*

GENTLEMEN:—In pursuance of an order of the Board, I have had soundings made, prepared a plan, a copy of which is herewith submitted, and, after studying the whole matter thoroughly with Mr. William E. Foss, Consulting Engineer, desire to report as follows on the matter of constructing a tunnel across the channel of the Acushnet River, at the draw span between Fish and Popes Islands, for the joint use of the City of New Bedford and the several public service corporations requiring pipes or cable crossing the channel at this point.

The soundings were made by means of wash borings and showed the material of the river bottom at this point to be sand, gravel and boulders, overlying ledge which, at the westerly side of the channel seems to be 52 ft. below city datum.

The type of tunnel suggested is constructed of brick, 12 inches in thickness, and having an interior diameter of 7 ft. laid at an elevation minus 50 to minus 50.75 below city datum or just above the ledge. The tunnel has a vertical shaft at each end, of the same diameter and material, enclosed by 1-2 inch steel casting, braced by piling and protected from the ice and vessels by a wooden fender pier. Concrete piers are provided for supporting water and gas pipes.

The estimated expense of constructing this tunnel, exclusive of pipes or electric ducts, is \$40,150. The additional cost for 6-inch water pipe from Fish Island to Popes

Island, and laying in a wooden box suspended from the bridge, and in the tunnel across the channel, with all necessary connections and protection, is estimated at \$3,780., making a total cost of \$43,930. If ledge should be encountered, a charge of \$20. per cubic yard additional must be allowed. If it is desired to keep the tunnel free from water, about \$500., additional should be allowed for an electrically-driven pump.

Respectfully submitted,

GEORGE H. NYE,  
City Engineer.

February 26, 1914.

*New Bedford Water Board,*

GENTLEMEN:—For the purpose of comparison with the cost of the tunnel across the Channel of the river between Fish Island and Popes Island, I have prepared an estimate of the cost of laying a 6-inch flexible jointed pipe from Fish Island to Popes Island with connections with the present service at both places and crossing the channel at the draw span at elevation minus 35 city datum or 5 ft. below the channel as at present authorized. This work can be done, I believe, for \$12,500.

Respectfully submitted,

GEORGE H. NYE,  
City Engineer.

We directed that copies of this report together with plans be sent to the various public service corporations for their consideration with a statement that we desired a conference whenever they were ready to make any definite statement in regard to their decision.

- July 2nd. In conference with representatives of the New Bedford Gas & Edison Light Company, and the Union Street Railway Company further time was granted for their consideration of the tunnel project.
- Oct. 1st. New Bedford Gas and Edison Light Company state that they have decided that at the present time they do not care to enter into the proposition.
- Nov. 4th. Union Street Railway Company state that owing to the fact that other public service companies are not interested they suggest that the project be abandoned for the present.
- This closes the incident of the tunnel project.
- Nov. 4th. City Engineer Nye in co-operation with the Superintendent was requested to prepare plans for replacing present flexible jointed water supply pipe, beneath and across draw channel, to Popes Island with pipes located to conform to requirements set forth by the United States Government Engineers. It is probable that this pipe will be installed sometime during the coming year.

On February 12th, the City Council appointed a Joint Special Committee to consider the possibility of discontinuing the Acushnet Water supply conduit which conducts the water from the storage reservoir in Acushnet to the receiving reservoir on Coggeshall Street. The southerly portion of this construction now passes through a thickly congested district where the land is very valuable. It appears that with the abandonment of the City's use of this conduit, that the title of said land will in most cases revert back to the original owners. The motive at the bottom of the proposition is a desire on the part of adjoining property owners to have the City donate to them land which they have encroached upon, but have never paid for.

The City Council Committee gave public hearings on February 17th and March 3rd, when the matter was discussed at length by those in favor and those opposed. The various restrictions in the deeds were set forth in a communication from City Solicitor Barney. The Special Committee viewed the location of the conduit on May



16th, and passed through a southerly section. They viewed the premises a second time on October 7th, and on October 8th they reported to the City Council that the conduit should not be discontinued at the present time and that its discontinuance should not be considered previous to the completion of the proposed main pipe which is to be later installed in making a direct connection between the Quittacas Pumping Station, and the City distribution system.

On September 17th, Major Gibbs, Inspector of Buildings, discovered that a garage was in the process of construction over this right of way west of Bowditch Street, and a short distance south of Sawyer Street. He ordered the work to be stopped pending a settlement with the City.

On September 18th, Mr. A. Bolduc appeared before this Board with a request for permission to complete this garage, which request was refused, and he was ordered to remove all encroachment upon the conduit strip. At the same meeting, City Engineer Nye, was requested to supply this Board with a plan of this conduit strip with a view of removing all squatters. When the plan is received we propose to take further action looking to the removal of all buildings from the right of way.

The main consideration in this question is that this conduit is an indispensable part of the Acushnet system which is now intact for auxilliary use. Some day we may be in desperate need of this supply. The City has fully paid for all land which it occupies. We feel that we should disregard the public welfare if we did not insist upon the necessity of keeping this Acushnet system inviolate.

On August 12th, our attention was called, by the State Forester, F. W. Rane, to the presence of large colonies of Gypsy moths within the forestry reservation bordering upon the Quittacas Ponds. A visit to the property with Mr. Rane, and his assistant, Mr. Kneeland, developed the fact that not only the City's lands but tracts of adjoining lands were equally infected. Immediate action was necessary to prevent the total destruction of all trees. Mr. Rane was requested to promptly submit recommendations to this Board for a line of action.

On September 18th, P. D. Kneeland, Assistant State Forester, appeared before this Board with the following statement:-

"The gypsy moth is now a very serious proposition on the Water Works lands; in fact, the infestation has assumed such large proportions that immediate and strong measures are necessary, if a considerable part of the area is to be saved from destruction and financial loss. There are now probably three or four hundred acres on which the gypsy moth is present to a greater or lesser degree. There are probably three or four hundred more acres of the kind of growth which would encourage the spread of the gypsy moth and on which it may be confidently expected they will become common within a short time; probably from fifty to one hundred acres were at least partially defoliated by the moths this last month and from much of this all the foliage was eaten. The moths have spread out and have laid their eggs over a much larger area now than that which they covered last year. It would be hard to describe exactly where the moths are, but they are at present along the northeastern shores of the reservoirs, practically wherever the oak growth is prominent.

The most favorable circumstance connected with the woodland is the large amount of pine that is present with the oak growth, especially in the form of young reproduction. Pine is, of course, the tree that they want there, both because of its protective and its financial value. It would be possible to cut off a large part of the oak and a good stand of pine would result in its place in a few years. In the places where the reproduction is not very thick, planting could be carried on successfully; in fact, the pine reproduction is so thick and so advanced in places that the present stand of oak and other hardwoods which is over it, is actually retarding its growth and killing it off and a thinning of the hardwoods would be advisable and imperative even if the moths did not add a still greater argument."

The recommendations follow:

"For these reasons it would seem imperative that most of the oak growth be cut off from the infested region this next winter. It would be impracticable and tremendously expensive to attempt to spray the whole infested area. There are places along the roads, etc., where the aesthetic value of the present growth is great and where probably it

would not be desirable to cut off the present stand. For this spraying would be advised but probably the total area where spraying would be necessary would not exceed thirty or forty acres. On the rest of the area varying degrees of thinning and clear cutting should be practiced with the purpose of making the resulting stand totally resistant to the attacks of the moths and in that way getting rid of the infestation, thus thinning would probably be necessary on three hundred acres. On much of this a very fine growth of oak now stands with many trees suitable for making piles, ties or logs. As a whole if the cutting can be done economically it should result in a very good profit to the city even with great care being taken not to injure the pine reproduction and brush being disposed of as would probably be advisable. I should estimate that at least three thousand cords of wood would be cut off. Of this probably twenty per cent would be better than cord wood.

"To recapitulate I should advise that the following things be done:

"Careful scouting and preliminary work very soon so that the exact extent of the moth infestation might be ascertained and plans laid out for the winter work, an estimate being made of what should be cut. This should be done by a man trained in this kind of work, and, if you so desired, such a man could be obtained from this department.

Cutting and thinning this winter over an area probably of about three hundred acres in which practically all oak is removed, this work to be done under an experienced foreman furnished by this department and under the supervision of myself or any other person whom you might designate, and to be done whichever way is the best and most economical by city labor or contract or a combination of those two methods.

A spraying of the area along the roads and other places next spring which can probably either be done by the New Bedford sprayers or by the sprayers of the towns in which the land is located.

It may be necessary to do some creosoting but its extent and advisability can best be attained after the scouting and preliminary survey. It would not be advisable to creosote the area that is to be thinned before the thinning is made as seemed to be the idea of some person in authority."

Mr. Kneeland further stated that the state forestry department will furnish the preliminary survey, will make frequent inspections offering advice as the work proceeds and will help in disposing of the product to best advantage. All this to be furnished without charge.

They will also furnish an experienced foreman who will devote his entire time to the work. His wages and expenses to be paid by the city.

The superintendent stated that Mayor Ashley had requested him to state that he had reviewed this whole matter with Mr. Rane and Mr. Kneeland, had read and discussed the recommendations herewith presented, and was strongly in favor of immediate action being taken.

On motion it was voted that the superintendent be directed and authorized to confer further with Mr. Rane and to take such action as may be necessary to carry his recommendations into effect.

This work is now being vigorously pushed. A camp for the wood cutters and a portable saw mill have been installed on the east side of Great Quittacas Pond. Logs are being turned into plank and boards, and a large portion of the product has been disposed of by the State Officers, at a considerable profit to the City.

The following are the principal contracts which have been executed this year:

Date 1914	Contractor	Supply	Consideration
Jan. 30	Fairhaven Iron Fdy. Co., Fairhaven, Mass.	C. I. Castings	Stop-boxes & covers 3 <sup>4</sup> / <sub>10</sub> c per lb. Gate-boxes & other castings 2 <sup>1</sup> / <sub>4</sub> c per lb.
Jan. 30	Warren Fdy. & Mch. Co., New York City.	C. I. Pipe & Special castings	30" pipe \$21.75 per ton 8" pipe \$22.00 per ton 6" pipe \$22.25 per ton Specials \$55.00 per ton
Jan. 30	The Chapman Valve Mfg. Co., Indian Orchard, Mass.	Fire Hydrants	List 82-2S.1H. \$31.95 each List 82-2H. \$29.75 each List 82-4 I.V.H. \$55.92 each
Jan. 30	The Chapman Valve Mfg. Co., Indian Orchard, Mass.	Water Valves	30 inch \$280.00 12 inch 28.00 10 inch 21.50 8 inch 15.75 6 inch 10.50 4 inch 7.00
Feb. 3	The Congdon & Car- penter Co., Prov- idence, R. I.	Pig lead	\$84.50 per 2000 lbs.
Feb. 12	The J. E. Budlong Press, New Bedford, Mass.	Printing Reports	675 complete pamphlets \$235.00 400 extra printed sheets \$ 28.00
Feb. 25	The Extensive Mfg. Co., New York City.	Automatic Envelope Sealer	\$150.00
Mar. 19	E. Anthony & Sons, New Bedford, Mass.	Printing books, "Location of Stop Gates"	30 complete books \$110
May 8	Thomas Jennings, Providence, R. I.	Repairing chimney	\$725.00
June 22	Central Lumber & Supply Co., New Bedford, Mass.	Cypress planks Cypress boards Spruce planks Spruce boards	\$52.00 per M. \$47.00 per M. \$27.00 per M. \$28.00 per M.
Aug. 8	Wm. A. Carroll, New Bedford, Mass.	Two Auto truck Tires.	\$270.00
Aug. 28	The Chapman Valve Mfg. Co., Indian Orchard, Mass.	6" Check Valves 8" Check Valves 6" fl. & spigot conn. 8" fl. & spigot conn. 8" fl. with 10" spigot conn. <sup>3</sup> / <sub>4</sub> " gate valves	\$30.00 each \$40.00 each \$1.50 each \$2.50 each \$4.50 each \$0.88 each

# WATER REPORT

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Date 1914	Contractor	Supply	Consideration
Oct. 9	Clinton Wire Cloth Co. Clinton, Mass.	Copper cloth screen- ing.	\$0.27¼ per sq. ft.
Nov. 5	Chadwick-Boston Lead Co., Boston, Mass.	Lead pipe.	\$4.32 per 100 lbs.
Nov. 5	Chadwick-Boston Lead Co., Boston, Mass.	Pig Lead	\$72.50 per 2000 lbs.
Dec. 7	R. D. Wood & Co., Philadelphia, Pa.	C. I. Pipe & Special castings	30" pipe \$19.70 per ton 10" pipe 19.95 per ton 8" pipe 20.30 per ton 6" pipe 20.30 per ton 4" pipe 22.70 per ton Specials 50.00 per ton

On July 10th, a contract was made by the Fuel Committee of the City Council with Patrick Connor for fifteen hundred gross tons of best quality, Pocahontas coal, for use at the Little Quittacas Pumping Station, the same to be delivered at Braley's Station, at the rate of \$4.18 per gross ton.

Respectfully submitted,

CHAS. S. ASHLEY	}	New Bedford Water Board
HENRY E. WOODWARD		
WILLIAM H. PITMAN		
FRANCIS P. WASHBURN		
LETTICE R. WASHBURN		

## REPORT OF THE WATER REGISTRAR.

CITY OF NEW BEDFORD,  
WATER REGISTRAR'S OFFICE,  
DECEMBER 1, 1914.

*To the New Bedford Water Board:*

GENTLEMEN:—I herewith present to you a detailed statement of the receipts and expenditures of the Water Works Department for the year ending at this date.

## RECEIPTS

Receipts for Water:			
Rates, domestic meters,	\$162,935.39		
Rates, domestic estimated,	1,043.52		
Rates, building purposes,	2,898.88		
Meter rentals,	10,670.23		
	<u>\$177,548.02</u>		
Domestic fixtures rebated,	2,886.53		
	<u>\$174,661.49</u>		
Total domestic,	128,826.11	\$303,487.60	
Rates, manufacturing meters,			
Other receipts:			
Services,	\$ 5,803.12		
Mains,	5,868.24		
Meters,	6,838.83		
Mill piping,	504.54		
Lands, buildings, etc.,	389.52		
Forestry operations,	1,572.04		
High Hill reservoir,	35.88		
Workshop,	8.92		
Sealing mill fixtures,	296.33		
Maintenance of horses,	111.67		
Quittacas Pumping Station,	45.00		
Fines,	42.00		
Railroad,	90.00		
Miscellaneous,	2.00	\$21,608.09	\$325,095.69
			<u>4,634.00</u>
Less deficit December 1, 1913,			\$320,461.69
			<u>316,220.62</u>
Expenditures for the year ending December 1, 1914,			
Balance cash in treasury December 1, 1914,			4,241.07

# WATER REPORT

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## EXPENDITURES.

Management and Repairs:		
Superintendent's department, salaries,	\$10,031.41	
Water Registrar's department, salaries,	12,932.66	
Pumping Expenses, engineers, firemen and watchmen:		
Salaries and labor,	\$9,652.06	
Fuel,	6,819.19	
Oil, waste, packing and lighting,	667.25	
Tools, and other supplies,	392.10	
Repairs of engines,	63.46	
Repairs of boilers,	213.08	
Other repairs,	2,460.61	
Buildings and grounds,	2,429.50	
Miscellaneous,	252.76	22,950.01
Mains:		
Cast iron pipe,	3,381.96	
Stop gates,	792.21	
Hydrants,	964.16	
Flushing and inspecting,	867.32	6,005.65
Services:		
Pipe,	978.88	
Renewing and driving stop-boxes,	633.89	
Clearing stops, taps and pipe,	821.94	
Water cart hydrants,	14.45	2,449.16
Fountains,		268.58
Meters,		7,557.82
General Maintenance:		
Printing, stationery, advertising, and postage,		2,230.67
Carfares, express, telephone, telegraph,		1,143.77
Horses, carriages, and automobiles,		6,778.46
Labor at workshop,		1,910.91
Material at workshop,		249.22
Fuel and lighting at workshop,		440.59
Repairs, workshop, buildings and pipe yard,		328.06
Miscellaneous,		622.69
Lands, buildings, taxes,		1,197.59
Roads, walls, fences,		4,238.16
Forestry, nursery,		81.34
Forestry, cutting, planting etc.,		6,307.75
Gypsy moth,		1,680.54
Little Quittacas pond and intake,		6,400.53
48 inch steel force main,		1,017.69
High Hill reservoir,		4,564.08
Private way,		7.98
Storing reservoir and surroundings,		947.45
Conduit,		79.27
Receiving reservoir,		30.71
Mt. Pleasant distributing reservoir,		123.56
Engineer's house,		140.60
Railroad,		1,303.38



## WATER REPORT

Purchase street station,		\$1,862.61	
Sealing fixtures,		213.11	
Addition to garage,		285.80	
Industrial accident account,		75.05	
Garage, Quittacas pumping station,		287.45	
Fighting forest fires,		3.44	
		<hr/>	
		\$106,747.75	
Interest paid,	\$75,320.00		
Interest Sylvia Ann Howland fund,	0,000.00		
Bonds paid,	21,000.00		
Sinking funds,	27,930.00	\$124,250.00	\$230,997.75

## EXTENSIONS.

Mains:			
Main pipe and special castings,	\$27,481.53		
Stop gates,	2,390.32		
Hydrants,	2,547.57		
Lead and gasket,	4,272.62		
Tools,	4,020.18		
All other supplies,	2,234.98		
Freight and carting,	30.00		
Labor,	15,789.42	58,766.62	
Services:			
Pipe,	2,809.80		
Taps and stops,	2,032.64		
All other supplies,	1,147.28		
Labor,	4,818.81		
Plumbing,	1,493.07	12,301.60	
Meters:			
Cost of meters,	9,914.86		
Cost of setting,	3,655.60	13,570.46	
Mill piping,		584.19	85,222.87
		<hr/>	
Total expenditures for the year,			\$316,220.62
Whole outlay on the works to this date,			\$8,056,952.58
Balance December 1, 1914,			4,241.07
			<hr/>
			\$8,061,193.65

The receipts from the commencement of the works have been as follows, viz:

Appropriations by the City Council,	\$1,038,000.00
Net appropriations for further supply,	1,316,639.60
Appropriations for duplicate supply main, 1910,	250,836.65
Appropriations for special extensions, 1911,	151,391.78
Appropriations for special extensions, 1912,	161,019.78
Receipts for water and other sources,	5,181,789.27
	<hr/>
	\$8,099,677.08

# WATER REPORT

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Less water receipts taken by City Council in 1913 for other than Water Works use,		<u>\$38,483.43</u>
		\$8,061,193.65
Deduct total outlay,		<u>8,056,952.58</u>
Balance as above December 1, 1914,		4,241.07
Outlay,		\$8,056,952.58
Deduct from Outlay:		
Paid for management and repairs,	\$1,646,022.53	
Interest paid,	794,648.14	
Bonds paid,	532,000.00	
Sinking funds,	533,312.00	3,505,982.67
		<u>4,550,969.91</u>
Actual net cost of works,		4,550,969.91
Total receipts from water and other sources,		5,181,789.27
Deduct the amount paid for debt, interest and sinking funds,	3,505,982.67	
Amount used by City Council in 1913, outside of Water Works,	38,483.43	3,544,466.10
		<u>\$1,637,323.17</u>
Water receipts applied to construction,		\$1,637,323.17

The funds for the construction of these works have been derived from the following sources:

Investment of Sylvia Ann Howland educational bequest,	\$ 100,000.00
Sylvia Ann Howland water bequest,	100,000.00
Received from sale of bonds,	815,000.00
Net receipts applied to construction,	1,637,323.17
Appropriation for construction in 1885,	23,000.00
Net proceeds of bonds, etc. sold, further supply,	1,316,639.60
Net proceeds of bonds, etc. sold, duplicate supply main, 1910,	250,836.65
Net proceeds of bonds, etc., sold, special extensions, 1911,	151,391.78
Net proceeds of bonds, etc., sold, special extensions, 1912,	161,019.78
	<u>\$4,555,210.98</u>
Deduct balance, December 1, 1914,	4,241.07
	<u>\$4,550,969.91</u>
Cost of works as stated above,	\$4,550,969.91

The water debt to date is as follows:

Water bonds 4 per cent.,	140,000.00
Water bonds 4 per cent., (further supply),	1,200,000.00
Water bonds 4 per cent., (duplicate supply main,)	210,000.00

Water bonds 4 per cent., (special extension 1911 ),	\$135,000.00
Water bonds 4 per cent., (special extension 1912 ),	148,000.00
Water bonds 3 1-2 per cent.,	48,000.00
Sylvia Ann Howland bequest 6 per cent,	100,000.00
<b>Total,</b>	<b>\$1,981,000.00</b>
<b>Less Sinking funds in treasury:</b>	
No. 9 \$20,000.00 bonds due	
April 1st, 1918,	\$ 20,000.00
No.23 120,000.00 bonds due	
April 1st, 1924,	77,491.63
No.24 {	200,000.00 bonds due
	Dec. 15th, 1924,
	400,000.00 bonds due
	April 1st, 1926,
	664,487.51
No.38 {	600,000.00 bonds due
	Jan. 1st, 1927,
48,000.00 bonds due	
June 1st, 1930	23,112.10
	785,091.24
Net water debt December 1st, 1914,	\$1,195,908.76
Outlay for debt and management and	
repairs in 1914,	\$230,997.75
Outlay for extensions in 1914,	85,222.87
	\$316,220.62
Less receipts other than water rates,	21,608.09
	294,612.53
Net expenditures in 1914,	
Water receipts in 1914,	303,487.60
Water receipts in 1913,	288,350.02
	\$15,137.58
Increase in 1914,	
<b>Received from City departments:</b>	
Water rates,	9,361.51
Miscellaneous accounts, labor, mat-	
erial, etc.,	1,302.70
There remains unpaid \$2,480 of 4 per cent interest due	
in the year 1914.	

# WATER REPORT

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Statement of Special Extensions and Renewals account  
(Chapter 75, Acts of 1912,) to this date:

## RECEIPTS.

Sale of bonds,	\$160,000.00	
Sale of material,	1,019.78	\$161,019.78

## PAYMENTS.

Advertising, printing etc.,	\$ .50	
Traveling and other expenses,	54.28	
Cost of pipe and special castings,	96,240.84	
Wharfage and handling pipe,	1,196.54	
Inspecting pipe, gates and hydrants,	1,127.13	
Gasket,	44.44	
Gates,	9,864.80	
Hydrants,	1,284.82	
Gate boxes,	1,311.97	
Lumber,	758.63	
Carting,	3,208.34	
All other supplies,	2,509.55	
Tools,	965.63	
Labor laying mains,	42,452.31	\$161,019.78

Respectfully submitted,

CLIFFORD BAYLIES,

Water Registrar.

WATER REPORT  
REPORT OF SUPERINTENDENT

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NEW BEDFORD WATER WORKS,  
SUPERINTENDENT'S OFFICE,  
DECEMBER 1, 1914.

*To the New Bedford Water Board:*

GENTLEMEN:—The forty-fifth annual report of the Superintendent, for the year ending November 30, 1914, is herewith submitted.

It would naturally be expected that the continued depression of our principal business activity would affect building operations in this City but such does not appear to be the case. New buildings, mostly dwellings, continue to spring up in every direction. It is true that there are large numbers of empty tenements in the older part of the City but with that fact before us we know that the population has increased fully 4000 during the year. We have installed 502 new supplies this year which exceeds the record of last year by 36. The large majority of these cases represent new dwellings.

Copies of the rainfall records at the Little Quittacas Pumping Station, and at the Long Plain Storage Reservoir appear upon the next two pages.

These are followed by statements kindly supplied by Chief Engineer X. H. Goodnough, who is Chief Engineer of the State Board of Health, giving the results of chemical examinations made of samples taken at locations indicated. It will be seen thereby that the quality of our water supply remains highly satisfactory.

## RAINFALL AT QUITTACAS PUMPING STATION FOR 1914

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		.90				.10		.38				
2			1.28	.32			2.21				.07	.35
3				.21				.05	.45			
4		.15	.18			.46						
5	.22											
6					1.67							
7	.03	.82	.25				.67				.37	
8				.27				.08				
9	.05			.61	.62							
10							.10					1.72
11											.05	
12				.16				.07				1.35
13					.36							
14		.50										
15												
16	.10					.17					.97	
17		.80		1.17				.05		1.90		
18			.16				.37					
19								.21			1.85	.44
20		.69				.09		.12				
21	.99			.19			.32	1.20				.64
22			.18									
23							.08					
24												.05
25	1.13											
26			.11									
27										.43		
28				1.46			.77					
29						.13		.44				
30				.04			.28		.55			.42
31	.90		1.52									
<b>Totals</b>	<b>3.42</b>	<b>3.86</b>	<b>3.68</b>	<b>4.43</b>	<b>2.65</b>	<b>.95</b>	<b>4.80</b>	<b>2.60</b>	<b>1.00</b>	<b>2.51</b>	<b>3.31</b>	<b>4.97</b>

Total fall for the year 38.18 inches

## RAINFALL AT ACUSHNET STORING RESERVOIR FOR 1914

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			1.48			.05		.35				.42
2				.38			2.19					
3	.02	.19		.20		.02		.05	.50			
4	.27											
5						.48						
6					1.91							
7	.03	1.05	.64				.65				.35	
8	.03			.28				.11				1.90
9				.65	.74							
10							.10					.26
11				.15				.07				
12												
13					.49							.45
14												
15	.10	1.00	.06									
16		.66				.12				1.78	.90	
17	.05		.07	1.63	.02			.05		.54		
18			.03				.40					
19								.18		.20		
20						.10		.12			1.96	.51
21	1.09						.30	1.15				.72
22			.15		.03							
23							.08					
24												.08
25	1.09											
26			.11									
27										.38		
28				1.68			.75					
29						.13		.44				
30				.08			.25		.40			.48
31	1.13		1.91									
<b>Totals</b>	<b>3.81</b>	<b>2.90</b>	<b>4.45</b>	<b>5.05</b>	<b>3.19</b>	<b>0.90</b>	<b>4.72</b>	<b>2.52</b>	<b>.90</b>	<b>2.90</b>	<b>3.21</b>	<b>4.82</b>

Total fall for the year 39.37 inches

# WATER ANALYSIS—STATE BOARD OF HEALTH. PARTS IN 100,000

## WATER REPORT

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Number	Date of Collection	APPEARANCE		RESIDUE ON EVAPORATION			AMMONIA			NITROGEN AS			Hardness	Iron		
		Turbidity	Sediment	Color	Total			In solution	In suspension	Chlorine	Nitrates	Nitrites			Oxygen Consumed	
					Loss on Ignition	Fixed	Free									
1914																
*114002	Jan. 20	V. slight	Slight	.58	4.70	1.85	2.85	.0028	.0232	.0196	.0036	.59	.0010	.0000	.75	0.8 .014
†114003	Jan. 20	None	V. slight	.60	4.65	1.65	3.00	.0022	.0218	.0200	.0018	.56	.0000	.0002	.76	0.8 .012
†114004	Jan. 20	None	None	1.48	6.85	3.25	3.60	.0036	.0268	.0228	.0040	.79	.0040	.0000	1.68	1.0 .018
*115199	Mar. 23	None	V. slight	.54	4.30	1.70	2.60	.0032	.0214	.0196	.0018	.58	.0010	.0000	.74	0.8 .012
†115200	Mar. 23	None	V. slight	.60	4.60	1.95	2.65	.0032	.0186	.0166	.0020	.58	.0000	.0000	.76	0.8 .013
†115194	Mar. 23	None	V. slight	1.20	4.90	2.40	2.50	.0032	.0280	.0224	.0056	.55	.0000	.0000	1.44	0.6 .014
*116310	May 25	None	V. slight	.62	3.90	1.75	2.15	.0026	.0216	.0182	.0034	.56	.0010	.0000	.73	0.6 .011
†116311	May 25	None	V. slight	.60	4.35	1.90	2.45	.0026	.0212	.0186	.0026	.57	.0000	.0000	.73	0.5 .011
†116312	May 25	None	V. slight	3.00	7.20	4.45	2.75	.0040	.0472	.0424	.0048	.57	.0010	.0000	1.50	0.6 .036
*117796	July 27	None	V. slight	.42	4.05	1.70	2.35	.0038	.0202	.0180	.0022	.56	.0000	.0000	.61	0.8 .010
†117797	July 27	None	V. slight	.45	4.10	1.65	2.45	.0046	.0222	.0200	.0022	.61	.0000	.0000	.61	0.8 .007
†117798	July 27	V. slight	V. slight	1.28	6.05	2.70	3.35	.0048	.0436	.0350	.0086	.71	.0000	.0000	1.26	0.8 .033
*119312	Sept. 28	None	V. slight	.30	3.95	1.75	2.20	.0020	.0208	.0206	.0002	.59	.0000	.0000	.44	0.8 .009
†119313	Sept. 28	None	V. slight	.30	4.30	1.85	2.45	.0016	.0188	.0170	.0018	.58	.0000	.0000	.51	0.6 .006
†119314	Sept. 28	V. slight	Slight	1.05	6.35	2.90	3.45	.0040	.0384	.0348	.0036	.67	.0010	.0000	1.10	0.8 .027
*120703	Nov. 23	V. slight	V. slight	.20	4.00	1.15	2.85	.0016	.0166	.0148	.0018	.55	.0000	.0000	.40	0.8 .005
†120704	Nov. 23	V. slight	V. slight	.20	3.75	1.25	2.50	.0020	.0182	.0154	.0028	.55	.0010	.0000	.41	1.0 .016
†120707	Nov. 23	None	V. slight	1.40	10.10	4.65	5.45	.0048	.0516	.0440	.0076	.92	.0070	.0000	1.82	2.3 .027

These samples were collected from Great Quitacas Pond. \*Surface; †Bottom.  
 †Collected from Black Brook which empties into Great Quitacas Pond

Scale of color: 0—Colorless

1—Yellowish brown tint

2—Deep yellowish brown tint



# WATER ANALYSIS—STATE BOARD OF HEALTH PARTS IN 100,000

Number	APPEARANCE			RESIDUE ON EVAPORATION			AMMONIA			Chlorine	NITROGEN AS			Oxygen Consumed	Hardness	Iron	
	Date of Collection	Turbidity	Sediment	Color	Loss on Ignition		Fixed	Free	Albuminoid		Nitrates	Nitrites					
					Total	Loss on Ignition			Total				In Solution				In Suspension
	1914																
*114000	Jan. 20	V. slight	V. slight	.40	4.95	1.80	3.15	.0026	.0216	.0170	.0046	.61	.0000	.0000	.55	1.3	.042
†114001	Jan 20	V. slight	V. slight	.40	3.95	1.65	2.30	.0044	.0196	.0160	.0036	.61	.0000	.0000	.51	1.3	.042
*115197	Mar. 23	V. slight	Slight	.43	4.50	1.40	3.10	.0018	.0238	.0178	.0060	.64	.0000	.0000	.50	0.6	.041
†115198	Mar. 23	V. slight	V. slight	.38	4.35	1.70	2.65	.0028	.0220	.0164	.0056	.61	.0000	.0000	.46	0.8	.044
*116308	May 25	V. slight	V. slight	.30	4.20	1.20	3.00	.0014	.0190	.0172	.0018	.59	.0000	.0000	.39	0.8	.028
†116309	May 25	V. slight	V. slight	.35	4.20	1.40	2.80	.0018	.0184	.0168	.0016	.58	.0000	.0000	.37	0.8	.030
*117794	July 27	V. slight	V. slight	.26	4.45	1.70	2.75	.0048	.0206	.0190	.0016	.59	.0000	.0002	.39	1.0	.025
†117795	July 27	V. slight	V. slight	.27	4.15	1.40	2.75	.0042	.0214	.0208	.0006	.58	.0000	.0003	.40	0.8	.025
*119310	Sept. 28	V. slight	V. slight	.25	4.55	1.45	3.10	.0014	.0210	.0202	.0008	.64	.0000	.0000	.35	0.2	.030
†119311	Sept. 28	V. slight	V. slight	.23	4.05	1.40	2.65	.0020	.0210	.0198	.0012	.58	.0000	.0000	.39	0.6	.025
*120705	Nov. 23	V. slight	V. slight	.23	3.75	1.40	2.35	.0040	.0174	.0150	.0024	.65	.0020	.0000	.34	1.0	.038
†120706	Nov. 23	Slight	V. slight	.20	3.70	1.15	2.55	.0036	.0168	.0142	.0026	.65	.0000	.0000	.36	1.1	.036

These samples were collected from Little Quitacas Pond.  
\*Surface. †Bottom.

Scale of color: 0—Colorless  
1—Yellowish brown tint  
2—Deep yellowish brown tint

# WATER ANALYSIS—STATE BOARD OF HEALTH PARTS IN 100,000

## WATER REPORT

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Number	Date of Collection	APPEARANCE			RESIDUE ON EVAPORATION			AMMONIA			NITROGEN AS						
		Turbidity	Sediment	Color	Total	Loss on Ignition	Fixed	Free	Total	Albuminoid		Chlorine	Nitrates	Nitrites	Oxygen Consumed	Hardness	
										In solution	In suspension						
1914																	
*114005	Jan. 20	None	V. slight	1.60	6.15	2.75	3.40	.0032	.0252	.0224	.0028	.61	.0010	.0000	1.76	0.5	.039
114006	Jan. 20	V. slight	V. slight	.97	5.25	2.75	2.50	.0036	.0288	.0228	.0060	.59	.0000	.0002	1.32	1.6	.034
115196	Mar. 23	None	V. slight	.85	5.25	2.30	2.95	.0040	.0236	.0228	.0008	.64	.0010	.0001	1.10	0.6	.024
*115195	Mar. 23	None	V. slight	1.12	4.35	2.00	2.35	.0012	.0160	.0156	.0004	.44	.0000	.0000	1.08	0.2	.021
*116313	May 25	None	V. slight	2.00	5.30	3.05	2.25	.0044	.0316	.0288	.0028	.50	.0000	.0000	1.64	0.3	.040
116314	May 25	V. slight	V. slight	1.00	4.60	2.50	2.10	.0026	.0254	.0240	.0014	.58	.0000	.0000	1.08	0.5	.022
*117799	July 27	V. slight	V. slight	1.68	5.75	3.20	2.55	.0080	.0452	.0372	.0080	.56	.0000	.0000	1.58	0.6	.055
117800	July 27	V. slight	V. slight	.70	4.20	1.60	2.60	.0042	.0224	.0212	.0012	.60	.0000	.0000	.81	0.5	.019
*119315	Sept. 28	V. slight	Slight	1.06	5.00	2.55	2.45	.0072	.0480	.0324	.0156	.57	.0000	.0000	1.13	0.2	.028
119316	Sept. 28	V. slight	V. slight	.39	3.95	1.65	2.30	.0032	.0224	.0208	.0016	.52	.0000	.0000	.54	0.2	.020
*120708	Nov. 23	V. slight	V. slight	1.20	7.80	3.40	4.40	.0032	.0300	.0288	.0012	.73	.0030	.0000	1.54	1.8	.040
120709	Nov. 23	V. slight	Slight	.28	3.45	1.75	1.70	.0008	.0222	.0182	.0040	.57	.0020	.0000	.40	0.6	.028

These samples were collected from Long Pond.  
 \*Collected from Fall Brooks which empties into Long Pond

Scale of color: 0—Colorless  
 1—Yellowish brown tint  
 2—Deep yellowish brown tint

## WATER REPORT

WATER ANALYSIS—STATE BOARD OF HEALTH  
PARTS IN 100,000

Number	Date of Collection	APPEARANCE			RESIDUE ON EVAPORATION			AMMONIA				Chlorine	NITROGEN AS		Oxygen Consumed	Hardness	Iron
		Turbidity	Sediment	Color	Total	Loss on Ignition	Fixed	Free	Total	In Solution	In Suspension		Nitrates	Nitrites			
	1914																
1114047	Jan. 21	V. slight	None	1.80	6.80	3.62	3.18	.0052	.0360	.0276	.0084	.69	.0010	.0000	1.84	1.1	.040
1115251	Mar. 25	None	V. slight	.88	4.55	2.10	2.45	.0012	.0184	.0160	.0024	.53	.0010	.0000	.96	0.5	.028
1116307	May 25	V. slight	V. slight	2.15	5.40	2.90	2.50	.0028	.0332	.0304	.0028	.53	.0010	.0000	1.68	0.6	.048
1117801	July 27	V. slight	V. slight	1.20	5.35	2.85	2.50	.0092	.0448	.0356	.0092	.54	.0000	.0000	1.10	0.8	.070
1119317	Sept. 28	V. slight	V. slight	.71	4.80	2.10	2.70	.0036	.0320	.0256	.0064	.58	.0000	.0000	.72	0.6	.045
120726	Nov. 24	V. slight	None	.60	4.05	1.65	2.40	.0008	.0218	.0170	.0048	.60	.0010	.0000	.63	1.0	.028

These samples were collected from  
Old Storage Reservoir

Scale of color: 0—Colorless  
1—Yellowish brown tint  
2—Deep yellowish brown tint

The surface of Great Quittacas Pond has varied from elevation 51.55 on March 15, 1914, to elevation 47.95 on November 15, 1914. At this date it is at elevation 48.20.

The surface of Little Quittacas Pond has varied from elevation 46.35 on February 2, 1914, to elevation 44.43 on October 3, 1914. At this date it is at elevation 44.56.

All parts of the entire Water Works plant has received careful attention as far as operation and maintenance is concerned, and the entire plant is now in a highly efficient condition. A large extension has been made to the distributing system as an examination of statements which appear later will show.

The work of improving the shores of Little Quittacas Pond, of which mention was made in my last report, has continued through the year. A large amount of peaty deposit has been excavated in the cove south of the Pumping Station, and the shores placed in a clean and sightly condition. The bank wall bordering the southerly shore of the pond has been completed. This wall will protect the new road which is now being constructed from the Long Plain Road direct to the Pumping Station, and which eventually will form a portion of a road which will encircle the shores of the entire pond.

Work in development of the plan of the State Forester, F. W. Rane, for improved forestry conditions has been continued. Large tracts of the district burned in 1911 has been cleaned and some 50,000 white pines have been planted therein. The nursery now contains some 100,000 white pine seedlings which will be ready for planting next year.

Early in the season the New Bedford Branch of the Massachusetts Forestry Association purchased, by public subscription, some twenty-eight thousand young trees from one to three years of age. They consist of Norway and Sycamore Maples, American and Huntington Elms, Red Oaks etc. They have been placed in a lot prepared for their development, located south of and near the Pumping Engineer's house in East Freetown. They will be cared for in this place until they attain sufficient growth to be ready for transplanting in the streets of this City.

Early in the year the top portion of the chimney of the Purchase Street Pumping Station was found to be in unsafe condition. The damage had been caused by frost action. It was necessary to remove the top portion for a distance of eighteen feet and repair the remainder. This was done under contract with Thomas Jennings of Providence, R.I. for the sum of Seven hundred twenty-five dollars. The continued future use of this chimney is so doubtful at the present time, that the expense of rebuilding this chimney to its original height seemed unwarranted.

The distributing mains have been increased 35,412 feet and 13,709 feet of pipe laid in previous years have been removed. The total length of distributing mains at this date is 162.47 miles.

In the last report the writer recommended that the stand pipe at the south east corner of Mt. Pleasant and Peckham Streets be removed. That recommendation is now renewed. This structure has not been used for over twenty years, and it will never be again needed for water supply service.

The installation of that portion of the thirty inch Encircling Main in Second Street, between South and Madison Streets has been completed this year. This work closely followed the construction of the Intercepting Sewer in that location. I recommend that this Encircling Main be fully completed to Union Street during the coming year. This involves the placing of pipe in First Street, from Rivet to South; South Street, from First to Second; Second Street, from Madison to Union.

The work of widening Purchase Street from Union to Elm; and Union Street, from Purchase to Sixth is now in progress. The water mains in these streets have been re-located in the proper line, due to the street widening. This provides an accessible location which would not be the case if they were directly beneath the railroad tracks.

There have been fourteen leaks upon the mains the past year as herewith shown:

DATE	SIZE	LOCATION	CAUSE	COST
<b>1914</b>				
Jan. 23	8 in.	Wamsutta St., west of Front	Joint started	\$ 7.57
Jan. 26	36 in.	Shawmut Ave., south of Turner's Pond	Wooden joint started	20.56
Mar. 11	16 in.	Acushnet Ave., north of Pontiac St.	Wooden joint started	8.94
Apr. 25	8 in.	Rivet St., west of Water	Joint started	11.84
May 17	30 in.	Bowditch St., south of Holly, under conduit	Joint started	71.85
June 13	8 in.	Purchase St., north of Bedford St. sewer	Joint started	40.76
June 18	12 in.	East French Ave., south of Ruth	Joint started	7.01
July 10	36 in.	Shawmut Ave., south of Turner's Pond	Wooden Joint started	12.91
Aug. 7	36 in.	Tarklin Hill Rd., east of N. Y. N. H. & H. R. R.	Joint started	17.72
Sept. 28	16 in.	Acushnet Ave., north of Balls Cor.	Wooden joint started	7.42
Nov. 18	4 in.	Chestnut St., at Kempton	Pipe broken	34.56
Nov. 25	6 in.	Second St., south of Maxfield	Joint started	3.18
Dec. 3	6 in.	Acushnet Ave., north of Rivet	Joint started	11.22
Dec. 5	36 in.	Tarklin Hill Rd., west of N.Y. N. H. & H. R. R.	Wooden joint started	35.14

Forty-four feet of small sized distribution pipe (less than four inch) has been laid and one hundred thirty-five feet of that previously laid has been removed. The total length now in use is 4,722 feet.

One hundred twenty-two new stop gates have been set and forty-three of those previously set have been removed. The total number now in use is 2,139.

Six small sized stop gates of those previously set have been removed. The total number now in use is 106.

Eight new waste gates have been set and three of those previously set have been removed. The total number now in use is 164.

Twenty-two new stop gates for private supplies have been set and eight of those previously set have been removed. The total number now in use is 329.

Eleven new air taps have been set. The total number now in use is 167.

Eighty-eight new hydrants have been set and forty-one of those previously set have been removed. The total number now in use is 1,304.

Five watering cart hydrants of those previously set have been removed. The total number now in use is 74.

Five hundred two new service pipes have been laid and one hundred fifty of those previously laid have been removed. The total number now in use is 14,407.

Two hundred and eighty-six service taps have been cleaned as follows: Rust, 272; trouble inside, 12; sediment 2.

The work of general installation of meters which was commenced in good earnest in July, 1909, was fully completed in June of this year. This work has required the placing of about 10,000 meters. Flat rates are now obsolete having been automatically abolished in each case when the meter was installed.

The total number of meters set in 1914 was	1,572
Number removed,	124
	<hr/>
To be added,	1,448
Number in use December 1, 1913,	12,340
	<hr/>
Number in use December 1, 1914,	13,788

This list may be divided as follows:

Manufacturing supplies,	231	
Domestic supplies,	13,557	13,788
	<hr/>	

The following is a list of the different makes of meters in commission: Crown, 223; Empire, 199; Empire Compound, 6; Nash, 445; Gem, 6; Trident Compound, 13; Trident Crest, 14; Trident Disc, 242; Hersey Torrent, 15; Hersey Rotary, 97; Hersey Disc 2593; Hersey Compound, 2; Hersey Detector, 3; Watch Dog, 5; Union Rotary, 130; King, 7314; Lambert, 1289; Thompson, 3; Worthington Turbine, 7; Worthington Disc, 1176; Keystone, 6.

## TOTAL COST OF REPAIRING METERS DURING YEAR 1914

Size	Damaged by frost	Other repairs	Total Number repaired	Total cost of repairs	Average cost of repairs
4 inch	1	9	10	\$152.91	\$15.29
3 inch	2	2	4	58.57	14.64
2 inch	2	8	10	69.91	6.99
1 inch	12	46	58	195.75	3.38
$\frac{3}{4}$ inch	192	184	376	878.34	2.34
$\frac{5}{8}$ inch	1447	792	2239	5803.07	2.59
Totals	1656	1041	2697	\$7158.55	

At the request of the State Commission of the Department of Animal Industry all horse drinking fountains in this City were closed on August 11th for a period of two weeks. The bowls were thoroughly scrubbed and disinfected with a weak solution of carbolic acid. Previous to that date they had been scrubbed weekly. After the supply was resumed their disinfection continued weekly. At the suggestion of the Board of Health and prominent horse owners they were again closed on October 27th. They remain closed at the date of this writing. This action was necessitated by the alarming increase of "glanders" in this City. The same condition prevails in Boston and other Massachusetts cities. It is hoped that this "epidemic" may be quickly overcome so that in a few months a resumption of these fountain supplies will be warranted.



The Nash drinking fountain located on Hillman Street, S.W.cor. County has been removed as it was worn out. Following is a complete list of the drinking fountains now in use:

1. West French Ave., at Cove St. ....Jenks
2. Bolton St., at junction of Rivet St.....Jenks
3. Sixth St., at junction of County St.....Jenks
4. Allen St., at junction of Dartmouth St.....Jenks
5. Front St., at corner of School St.....Jenks
6. Union St., at corner of Bethel St.....Jenks
7. Hathaway Road, 1,964 ft. east of Rockdale Ave...Horse bowl
8. Kempton St., at junction of Mill St.....Jenks
9. County St., at corner of Smith St.....Nash
10. Shawmut Ave., at corner of Durfee St.....Jenks
11. Acushnet Ave., at junction of Weld St.....Jenks
12. Acushnet Ave., south of Tarkiln Hill Rd.....Jenks
13. Belleville Road, between Acushnet Ave. and No. Front St..Jenks
14. Acushnet Ave., at junction of Water St. ....Jenks
15. Acushnet Av., at corner of Braley Road.....Jenks

## MONTHLY CONSUMPTION OF WATER

1914 Month	Monthly Consumption	Daily Average Consumption
	Gallons	Gallons
January	235,061,946	7,582,643
February	214,550,374	7,662,513
March	226,364,514	7,302,081
April	214,731,404	7,157,713
May	226,079,746	7,292,895
June	245,359,896	8,178,663
July	234,027,888	7,549,286
August	229,893,882	7,415,932
September	226,262,406	7,542,080
October	226,515,460	7,306,951
November	210,275,816	7,009,193
December	223,603,070	7,213,002
Totals	2,712,726,402	
Averages	226,060,533	7,432,127

Maximum daily consumption, November 6th,	10,171,596 gallons
Minimum daily consumption, June 28th,	1,270,062 gallons
Average daily consumption, 6 A. M. to 6 P. M.	5,276,771 gallons
Average night consumption, 6 P. M. to 6 A. M.	2,155,355 gallons

**COMPARISON OF THE CONSUMPTION OF THE YEAR 1914  
WITH THE RECORD OF THE 32 PREVIOUS YEARS**

Year	Estimated Population	Estimated number of consumers	Number of taps	Total number of gallons consumed	Average daily consumption	Gallons per day to each inhabitant	Gallons per day to each consumer	Gallons per day to each tap	Number of meters
1882	28,500	20,424	4,203	859,119,622	2,326,352	82	114	553	41
1883	30,000	22,249	4,465	849,059,700	2,326,191	78	105	521	49
1884	33,000	23,749	4,691	867,815,595	2,371,080	72	100	506	60
1885	33,700	25,375	4,965	1,049,801,050	2,876,167	85	113	579	67
1886	34,500	28,480	5,225	1,086,534,615	2,976,807	86	104	569	82
1887	36,000	30,080	5,495	1,112,302,789	3,047,404	85	101	555	102
1888	37,500	31,826	5,785	1,229,841,794	3,360,223	89	109	581	108
1889	40,000	34,000	6,104	1,310,488,214	3,590,379	90	106	588	120
1890	41,500	35,740	6,394	1,485,143,213	4,066,200	98	114	636	123
1891	45,000	38,500	6,742	1,513,161,482	4,145,648	92	108	615	135
1892	50,000	41,776	7,134	1,607,955,166	4,393,320	88	105	616	144
1893	55,000	44,158	7,531	1,824,275,536	4,998,015	99	113	664	172
1894	56,000	44,661	7,767	1,747,167,532	4,786,760	85	107	616	221
1895	56,300	46,154	8,027	1,719,830,979	4,711,866	84	102	587	254
1896	59,000	48,570	8,447	1,924,800,313	5,259,017	89	108	623	366
1897	60,000	50,000	8,860	2,071,702,478	5,675,897	95	113	641	621
1898	58,000	50,000	9,014	2,156,277,643	5,907,610	102	118	655	734
1899	58,000	50,000	9,151	2,261,115,500	6,194,837	107	124	677	1,098
1900	62,500	55,000	9,280	2,306,997,774	6,320,542	101	115	681	1,429
1901	65,000	57,000	9,447	2,150,199,262	5,890,957	91	103	624	1,566
1902	70,000	61,000	9,612	2,325,807,038	6,372,074	91	104	663	1,771
1903	72,000	62,000	9,927	2,535,280,580	6,945,974	96	112	700	1,954
1904	73,000	63,000	10,166	2,570,360,614	7,001,520	96	111	689	2,145
1905	75,000	66,000	10,477	2,586,640,683	7,093,187	95	107	677	2,434
1906	83,000	76,000	10,764	2,524,786,872	6,916,880	83	91	643	2,803
1907	88,000	81,000	11,107	2,711,824,444	7,435,572	84	91	670	3,196
1908	89,000	82,000	11,516	2,740,666,728	7,488,160	84	91	653	3,628
1909	95,000	88,000	12,043	2,727,327,230	7,472,129	79	85	621	4,572
1910	99,000	92,000	12,769	2,870,478,148	7,864,323	79	85	616	6,106
1911	102,700	96,000	13,311	2,910,369,438	7,973,615	78	83	599	8,206
1912	103,000	97,000	13,643	3,030,739,034	8,280,707	80	85	607	9,998
1913	104,000	99,000	14,055	2,832,828,204	7,761,173	75	78	552	12,340
1914	108,000	103,000	14,407	2,712,726,402	7,432,127	69	72	516	13,788

The foregoing statement emphasizes the continued decrease in the rate of consumption. The per capita rate there shown, 69 gals., is the lowest we have ever reached. The daily consumption is now three quarters of a million gallons less than it was two years ago. The night consumption has reduced to figures which obtained over ten years ago. Today we are supplying over 4000 more service supplies than we were ten years ago. This result fully confirms your expectation as to what would happen with the completion of meter installation. The meters have simply stopped a large wastage which has obtained in former years. This experience is similar to that of other cities adopting the meter system. It also confirms the good judgment displayed by you in adopting a measure which will surely result in postponing the day when it will become necessary to incur large expenditures in obtaining additional supplies.

Respectfully submitted,

R. C. P. COGGESHALL,

Superintendent.

TABLE A.  
STATEMENT OF WORK DONE BY LEAVITT ENGINE B FOR YEAR ENDING  
DECEMBER 1ST, 1914.

MONTHS		Diameter Steam Cylinder, 16 3-8 & 36 1-4 in. Diameter Pump Plungers, 13 7-10 & 19 3-8 in. Stroke of Piston and Pump Plungers, 90 inches.	Average working steam pressure 185 lbs. Average static head 170.36 ft.										
Number of days or parts of	H. M.	Total number of strokes per month	Average number of strokes per minute	Total fuel used for all purposes	Total number of gallons pumped per month, allowance being made for slip	Number of gallons pumped per pound of coal for total coal	Number of gallons raised 100 ft. per lb. of coal for total coal	Average dynamic head against pump in feet; no allowance for friction in suction	Average duty in pounds raised one foot high per 100 lbs. of coal; calculated on total fuel used for all purposes.	No deductions			
December, 1913	26	1,054,030	31.3	273,875	233,904,650	854	1600	187.38	133,518,929				
January, 1914	27	1,067,193	31.9	277,550	236,916,846	853	1592	186.44	132,869,357				
February, "	24	973,967	31.4	252,550	216,220,674	856	1597	186.65	133,273,523				
March, "	26	976,337	30.8	253,425	216,746,814	855	1594	186.55	133,058,091				
April, "	26	983,032	31.5	256,425	218,233,104	851	1591	186.55	132,765,131				
May, "	25	1,009,243	31.1	270,250	224,031,946	829	1554	187.57	129,691,778				
June, "	28	1,121,018	31.4	292,950	248,865,996	840	1503	187.04	132,942,405				
July, "	27	1,070,054	31.4	285,145	237,551,988	833	1553	187.66	130,385,912				
August, "	26	1,006,381	31.3	278,575	233,416,582	818	1534	187.57	130,385,912				
September, "	26	1,034,173	31.3	278,575	229,586,406	824	1546	187.57	128,984,406				
October, "	27	1,035,380	31.5	275,300	229,834,360	834	1565	187.73	130,721,272				
November, "	24	930,478	31.7	248,525	206,566,116	831	1559	187.70	130,112,500				
Totals and avgs.	312	12,261,286	31.4	3,237,670	2,722,005,492	840	1572	187.17	131,237,729				

This includes banking fires, starting, heating building, running shop engine during day and electric light engine at night. No deductions for ashes, moisture in coal or anything else.

TABLE B.  
LOCATION AND SIZE OF CAST IRON PIPE MAIN LAID IN 1914.

Streets	30 in.	12 in.	10 in.	8 in.	6 in.	4 in.
Acushnet Ave., from Howland north to 4 ft. S. of N. line Howland.				16		
Adams St., from Myrtle to Summer.					401	
Apponagansett St., from East French Ave., west				157		
Apponagansett St., from Brock Ave., east				377		
Aquidneck St., from 445 ft. E. of Brock Ave., east					400	
Bank St., from Rockdale Ave., north					155	
Bates St., from 165 ft. E. of Ernest to 138 ft. W. of Healey					210	
Bellevue St., from 320 ft. W. of Brock Ave., to West French Ave.					637	
Brook St., from Shaw, south			136		26	
Campbell St., from Summer to E. line Summer.						
Carroll St., from 5 ft. E. of W. line Brigham to 13 ft. E. of Brownell					601	
Cedar Grove St., from Myrtle to Summer				222	355	
Central Ave., from 284 ft. W. of Bowditch, west					187	
Charles St., from Brock Ave., east				116		
Church St., from Query to 84 ft. N. of Query					309	
Clinton St., from 177 ft. W. of Rotch, west					221	
Clover St., from 197 ft. S. of Allen to Grape				210		
Coffin St., from 30 in. main at Second to First				168		
Conduit St., from Hatch to 146 ft. S. of Hatch (west)					208	
Earle St., from 6 1/2 ft. E. of Diman to 320 ft. E. of Front					143	
Ellen St., from 178 ft. W. of Brock Ave., west						
Elm St., from Purchase (new pipe line), east				14		

TABLE B—CONTINUED.

	30"	12"	10"	8"	6"	4"
Eugenia St., from 66 ft. W. of Bowditch, west					225	
First St., from Coffin to Spring					1207	
First St., from Howland, south					52	
Frederick St., from 253 ft. E. of Brock Ave., to 71 ft. E. of Cleveland (south)					400	
Glennon St., from 134 ft. W. of Brook, west					275	
Griffin St., from Acushnet Ave., to Water				623		
Hawthorn St., from 64 ft. W. of Palmer (south) to Reed				247		
Hemlock St., from Winsper, south				268		
Hemlock St., from Jenkins to Sagamore				210		
Highland St., from Adams, north				841		
Howe St., from Hicks, south					21	
Howland St., from Water to 7 ft. E. of Second				363		
Howland St., from Second (west main) to Acushnet Ave				229		
Irvington St., from 13 ft. E. of Bowditch, east				580		
Jenkins St., from 465 ft. W. of Bolton to Hemlock				106		
Kearsarge St., from Perry, south					196	
Madison St., from Water to Purchase			867			
Maple St., from 50 ft. W. of Brownell (north) to 114 ft. W. of Rounds (north)					348	
Matthew St., from 249 ft. W. of Dartmouth, west				71		
Mechanics Lane, from Purchase (new pipe line), west					37	
Merrill St., from 137 ft. N. of Belleville Rd. to Bates					135	
Middle St., from Tremont to James					224	
Milford St., from 577 ft. N. of Irvington, north					248	
Mill St., from 94 ft. W. of Summit to Rockdale Ave					132	
Morgan St., from 4 ft. W. of County to 17 ft. W. of E. line Ash				1334		

TABLE B—CONTINUED.

	30"	12"	10"	8"	6"	4"
Mt. Vernon St., from 17 ft. W. of Highland to DeWolf				521	347	
Oakland St., from Durfee north			1410			
Phillips Rd., from 10 ft. W. of Acushnet Ave. to 1410 ft. W. of Acushnet Ave.			437		389	
Pleasant St., from Bedford to 2 ft. N. of Russell				1719		
Princeton St., from 13 ft. W. of Bowditch, west						
Purchase St., from 12 ft. N. of Rivet to Grinnell		817			351	
Purchase St., (new pipe line) from Union to 21 ft. N. of Elm					168	
Query St., from Acushnet Ave., east					222	
Query St., from 12 ft. W. of Bowditch, west					251	
Reed St., from Hawthorn, north						
Rochambeau St., from Irvington, north				206		
Rockland St., from 12 ft. E. of County to Purchase				354		
Rotch St., from Hawthorn to Maple				489		
Russell St., from Purchase to Sixth				688		
Sawyer St., from 645 ft. W. of County to Summer						
Second St., from 164 ft. N. of South to 1 ft. S. of N. line Madison	2265					
Second St., (main E. side sewer), from Cannon to Coffin				322		335
Spencer St., from Parker to Willis						
Summer St., from Kempton to S. line Parker				2427		
Sycamore St., from E. line Summer to 5 ft. W. of Summer					45	
Sycamore St., from 4 ft. W. of Park west					130	
Union St., from Purchase (new pipe line) east to 5 ft. W. of Acushnet Ave.		240				
Acushnet Ave. .... (228 ft. 12")						
and north to old pipe line. (12 ft. 12")						
Union St., from Purchase (new pipe line) to Sixth			508			24
Valentine St., from 979 ft. W. of Brock Ave., west						



TABLE B—CONTINUED

	30"	12"	10"	8"	6"	4"
*Walnut St., from 7 ft. E. of W. line to 4 ft. W. of E. line First . . . .					33	
West French Ave., from Bellevue south . . . . .					772	
William St., from Purchase (new pipe line), east . . . . .				14		
Willis St., from Summer to Chestnut . . . . .					240	
Winsper St., from 462 ft. W. of Bolton to Hemlock . . . . .					109	
Located in Freetown . . . . .						
Quittacas Station Rd., from hvyd. N. W. cor. Quittacas Pump- . . . .						3512
ing Station to Middleboro road . . . . .						1559
Middleboro Rd., from Quittacas Pumping Station Rd., north . . . .						5406
Totals	2265	1057	3222	13028	10434	

\*Pipe loops southerly around location for sewer manhole.

TABLE B—CONTINUED.  
LOCATION AND SIZE OF CAST IRON MAIN PIPE REMOVED IN 1914.

Streets	12 in.	10 in.	8 in.	6 in.	4 in.
Acushnet Ave., from Howland north to 4 ft. S. of N. line Howland				16	26
Campbell St., from Summer to E. line Summer					
Cannon St., at Second, from 30" main W. side of sewer to 8" main E. side sewer			15		
Coffin St., from Second (west main) to First				14	211
Elm St., from Purchase (old pipe line), west					
First St., from Howland, south					52
First St., from Coffin to Spring					1207
Griffin St., from Water to Acushnet Ave.					619
Howland St., from Water to 7 ft. E. of Second					363
Howland St., from Second (west main) to 4 ft. E. of W. line Second					10
Howland St., from 4 ft. E. of W. line to 6 ft. W. of W. line Second			10		
Howland St., from 6 ft. W. of Second to Acushnet Ave.					207
Madison St., from Water, west				18	842
Madison St., from 4 ft. W. of Water to Purchase					
Mechanics Lane, from Purchase (old pipe line), west				31	
Morgan St., from 4 ft. W. of County to 17 ft. W. of E. line Ash					1331
Pleasant St., from Bedford to 2 ft. N. of Russell					381
Purchase St., from 12 ft. N. of Rivet to South					1253
Purchase St., from South to Grinnell				467	

TABLE B—CONTINUED.

	12"	10"	8"	6"	4"
Purchase St., from Union, south.....			19		480
Purchase St., from Union (old pipe line) to 21 ft. N. of Elm.....	799				14
Russell St., from Purchase to Sixth.....			1630		628
Sears Court, from Purchase (old pipe line), west to new pipe line.....					2004
Second St., from 164 ft. N. of South to Cannon.....					45
Second St., from Cannon to 1 ft. S. of N. line Madison.....					
Summer St., from North to S. line Parker.....	213	521		29	
Sycamore St., from E. line Summer to 5 ft. W. of Summer.....		14			240
Union St., from Purchase (old pipe line), east.....					
Union St., from Purchase (old pipe line) to Sixth.....					
Walnut St., from 7 ft. E. of W. line to 4 ft. W. of E. line First.....					
William St., from Purchase (old pipe line), west.....					
Willis St., from Summer to Chestnut.....					
<b>Totals.....</b>	<b>1012</b>	<b>535</b>	<b>1674</b>	<b>575</b>	<b>9913</b>

TABLE B—CONCLUDED  
SUMMARY.

	Steel	Cast Iron											
	48 in.	48 in.	36 in.	30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.	4 in.	
Previous to 1914 Laid in 1914 . . . .	42463	104	61820	29004 2265	9786	11310	48488	50949 1057	63793 3222	162015 13028	284838 10434	71567 5406	
Total laid . . . . . Removed in 1914	42463	104	61820	31269	9786	11310	48488	52006 1012	67015 535	175043 1674	295272 575	76973 9913	
Total now in use.	42463	104	61820	31269	9786	11310	48488	50994	66480	173369	294697	67060	

Total length laid in 1914, 35,412 feet or 6.7068 miles  
 Total length removed in 1914, 13,709 feet or 2.5964 miles  
 Total length of pipe in use December 1st, 1914, 857,840 feet or 162.46969 miles

**TABLE C.**  
**LOCATION AND SIZE OF SMALL SIZED DISTRIBUTION**  
**PIPE LAID IN 1914.**

Streets	1½ in. gav. iron.
Located in Freetown- Quittacas Avenue from Middleboro Rd. east .....	44
Total .....	44

**LOCATION AND SIZE OF SMALL SIZED DISTRIBUTION**  
**PIPE REMOVED IN 1914.**

Streets	¾ in. lead
Rockland St. from Purchase west .....	135
Total .....	135

In use previous to 1914,.....4,813 feet

Laid in 1914, ..... 44 feet

4,857 feet

Removed in 1914,..... 135 feet

Total in use Dec. 1, 1914.....4,722 feet or 0.89431 miles

TABLE D.

## LOCATION AND SIZE OF STOP GATES SET IN 1914.

Streets	30 in	12 in	10 in	8 in	6 in	4 in
Adams St., east side Summer					1	
Apponagansett St., west side East French Av				1		
Apponagansett St., east side Brock Av.				1		
Bank St., north side Rockdale Av.					1	
Bellevue St., east side West French Av.					1	
Brook St., south side Shaw				1		
Campbell St., west side Summer					1	
Cannon St., east side Second				1		
Cannon St., west side Second				1		
Carroll St., west side Brigham					1	
Cedar Grove St., east side Summer					1	
Charles St., east side Brock Av.					1	
Chestnut St., south side Maxfield						1
Coffin St., east side Second				1		
Elm St., east side Cottage						1
First St., south side Howland					1	
First St., south side Madison						1
First St., south side Madison					1	
First St., south side Walnut					1	
First St., north side Walnut					1	
First St., north side School					1	
Flag Swamp Rd., at hydt., north side, W. of						
Flag Swamp Road (south), 86 ft.					1	
Griffin St., west side Water				1		
Griffin St., east side Second				1		
Griffin St., west side Second				1		
Griffin St., east side Acushnet Ave.				1		
High Hill Reservoir, at hydt., east side, opp.						
Inlet Gate House					1	
Highland St., north side Adams				1		
Hillman St., west side Summer					1	
Howe St., south side Hicks					1	
Howland St., west side Water				1		
Howland St., west side Second				1		
Howland St., east side Acushnet Ave.				1		
Madison St., west side Water			1			
Madison St., east side Second			1			
Madison St., west side Second			1			
Madison St., east side Acushnet Av.			1			
Madison St., west side Acushnet Av.			1			
Maple St., west side Rounds (south)					1	
Mechanics Lane, west side Purchase					1	
Middle St., west side Tremont					1	
Mill St., west side Summer					1	
Mill St., east side Rockdale Av.					1	
Morgans Lane, east side Second						1
Morgan St., east side Cottage				1		
Morgan St., east side Cedar				1		
Morgan St., east side Ash				1		

TABLE D—CONTINUED.

	30 in.	12 in.	10 in.	8 in.	6 in.	4 in.
Mt. Vernon St., west side Richmond.....				1		
North St., west side Summer.....					1	
Oakland St., north side Durfee .....					1	
Phillips Rd., at hydt., S. side, W. of Acush- net Ave., 345 ft .....					1	
Phillips Rd., W. of Acushnet Ave., 704 ft. ...		1				
Phillips Rd., at hydt., south side, W. of Acushnet Ave., 1222 ft .....					1	
Phillips Rd., W. of Acushnet Ave., 1399 ft ...		1				
Pleasant St., north side Bedford .....					1	
Pleasant St., north side Russell .....					1	
Pleasant St., at hydt., S. W. cor. Union .....					1	
Purchase St., south side Rockland .....				1		
Purchase St., south side South .....				1		
Purchase St., north side South .....				1		
Purchase St., south side Grinnell .....				1		
Purchase St., north side Russell .....				1		
Purchase St., north side Spring .....				1		
Purchase St., at hydt., S. E. cor. Union .....				1		
Purchase St., north side Union .....	1					
Purchase St., south side Sears Ct. ....	1					
Purchase St., at hydt., N. W. cor. Sears Ct. ...					1	
Purchase St., north side Sears Ct. ....	1					
Purchase St., south side William .....	1					
Purchase St., north side William .....	1					
Purchase St., at hydt. west side, S. of Elm 94 ft..					1	
Purchase St., south side Elm .....	1					
Purchase St., north side Elm .....	1					
Query St., east side Acushnet Ave. ....					1	
Reed St., north side Hawthorn .....					1	
Rochambeau St., north side Irvington .....					1	
Rotch St., north side Hawthorn .....				1		
Russell St., west side Purchase .....				1		
Russell St., east side Sixth .....				1		
Sawyer St., east side Myrtle .....				1		
School St., east side Second .....					1	
Sears Ct., west side Purchase .....						1
Second St., south side Griffin (west main) ...	1					
Second St., at hydt., W. side, opp. Morgans Lane .....					1	
Second St., south side Cannon (west main) ...	1					
Second St., north side Cannon (east main) ...			1			
Second St., south side Coffin (east main) ...			1			
Second St., south side Madison .....	1					
Spencer St., south side Parker .....						1
Spring St., at hydt., S. W. cor. Purchase .....				1		
Spring St., east side Pleasant .....				1		
Summer St., north side Kempton .....				1		
Summer St., north side North .....				1		
Summer St., south side Maxfield .....				1		
Summer St., north side Maxfield .....				1		

TABLE D—CONTINUED.

	30 in.	12 in.	10 in.	8 in.	6 in.	4 in.
Summer St., south side Smith.....				1	1	
Summer St., north side Smith.....				1		
Summer St., south side Parker.....				1		
Sycamore St., west side Summer.....					1	
Union St., west of Acushnet Ave., 5 ft.....	1					
Union St., at hydt., S. W. cor. Acushnet Ave...					1	
Union St., east side Purchase.....	1					
Union St., west side Purchase.....		1				
Union St., west of Purchase, south 16 ft.....		1				
Union St., east side Pleasant (south).....		1				
Union St., west side Pleasant (south).....		1				
Union St., east side Sixth.....		1				
Water St., north side Spring.....		1				
Water St., south side William.....		1				
Water St., south of Elm (west), 24 ft.....		1				
William St., west side Acushnet Ave.....				1		
William St., at hydt., S. W. cor. Purchase.....				1		
William St., west side Purchase.....		1				
Willis St., east side Summer.....					1	
Willis St., west side Summer.....					1	
Located in Freetown:						
Middleboro Rd., S. of Freetown & Lakeville... line, 1013 ft.....						1
Middleboro Rd., at hydt., west side, S. of Freetown & Lakeville line 802 ft. ....						1
Middleboro Rd., S. of Freetown & Lakeville... line, 382 ft.....						1
Middleboro Rd., at hydt., west side, S. of Freetown & Lakeville line, 9 ft.....						1
Quittacas Pump'g. Sta. Rd., W. from W. line...						1
Quittacas Pump'g. Sta. (coal shed), 8 ft.....						1
Quittacas Pump'g. Sta. Rd., at hydt., south side, East of Middleboro Rd. 100 ft...						1
Quittacas Pump'g. Sta. Rd., E. of Middleboro. Rd. 7 ft.....						1
Totals .....	3	9	16	41	40	13



TABLE D—CONTINUED.

LOCATION AND SIZE OF STOP GATES REMOVED IN 1914.

Streets	12 in	10 in	8 in	6 in	4 in
First St., south side Madison					1
First St., south side Walnut					1
First St., north side Walnut					1
Griffin St., west side Water					1
Griffin St., east side Acushnet Ave.					1
Howland St., west side Water					1
Howland St., west side Second			1		
Howland St., east side Acushnet Ave.					1
Madison St., west side Water				1	
Madison St., east side Acushnet Ave.					1
Madison St., west side Acushnet Ave.					1
Mechanic's Lane, west side Purchase				1	
Morgan St., east side Cedar					1
Morgan St., east side Ash					1
Pleasant St., south side Russell					1
Purchase St., south side South					1
Purchase St., north side South				1	
Purchase St., south side Grinnell				1	
Purchase St., north side Union	1				
Purchase St., north side Elm	1				
Russell St., west side Purchase					1
Russell St., east side Sixth					1
Sears Ct., at hydt. S.W.cor. Purchase					1
Sears Ct., west side Purchase					1
Second St., south side Grinnell (west main)			1		
Second St., north side Grinnell (west main)			1		
Second St., south side Griffin (west main)			1		
Second St., south side Cannon (west main)			1		
Second St., north side Cannon (west main)					1
Summer St., south side Hillman					1
Summer St., north side Maxfield					1
Summer St., south side Smith					1
Summer St., north side Smith					1
Summer St., south side Parker					1
Union St., at hydt. S.W.cor. Acushnet Ave.				1	
Union St., east side Purchase	1				
Union St., west side Purchase		1			
Union St., west of Purchase (south) 26 ft.		1			
Union St., east side Pleasant		1			
Union St., west side Pleasant		1			
Union St., east side Sixth		1			
William St., west side Purchase		1			
William St., at hydt. S.W.cor. Purchase				1	
Totals	3	6	5	6	23

TABLE D—CONCLUDED.

Number of stop gates set in 1914.....	122
Number removed.....	43
Number to be added.....	79
Number in use December 1st, 1913.....	2060
Number in use December 1st, 1914.....	2139

**TABLE E.**  
**LOCATION AND SIZE OF SMALL SIZED STOP GATES**  
**REMOVED IN 1914.**

Location	2 in.	$\frac{3}{4}$ in.
Allen St., at watering cart hydrant, north side, east from west line Stone 7 ft. ....	1	
First St., at watering cart hydrant, west side, south of School 118 ft. ....	1	
Rockland St., west side Purchase .....		1
Second St., at watering cart hydrant, west side, south of ... Grinnell 19 ft. ....	1	
Second St., at watering cart hydrant, west side, south of ... Cannon 20 ft. ....	1	
Summer St., at watering cart hydrant, west side, north of Hill- man 4 ft. ....	1	
<b>Totals</b> .....	<b>5</b>	<b>1</b>

Number in use December 1st, 1913..... 112

Number removed in 1914 ..... 6

Number in use December 1st, 1914..... 106

TABLE F.

## LOCATION AND SIZE OF WASTE GATES SET IN 1914.

Streets.	4 in.	1 in.	$\frac{3}{4}$ in.
Acushnet Ave., N. of Peckham Rd. 4368 ft.....		1	
Second St., at Howland .....	1		
Second St., S. of Cannon 3 ft .....	1		
Second St., S. from N. line Cannon 6 ft .....	1		
Second St., S. from N. line Madison 11 ft .....	1		
Summer St., S. of Parker 6 ft .....	1		
Located in Freetown:			
Quittacas Pump'g. Sta. Rd., W. from W. line Quittacas			
Pump'g. Sta. (coal shed), 9 ft .....			1
Quittacas Pump'g. Sta. Rd., E. of Middleboro Rd.			
649 ft .....			1
Totals .....	5	1	2

## LOCATION AND SIZE OF WASTE GATES REMOVED IN 1914.

Streets	4 in.
Bonney St., S. of Rivet 2 ft. (omitted from a former report)...	1
Summer St., at Willis .....	1
Union St., at Purchase .....	1
Totals .....	3

Number of waste gates set in 1914 ..... 8  
 Number removed..... 3

Number to be added ..... 5  
 Number in use December 1st, 1913 ... 159

Number in use December 1st, 1914 ... 164

**TABLE G.**  
**LOCATION AND SIZE OF PRIVATE STOP GATES SET IN 1914**

Streets.	4 in.	3 in.	2 in.
Acushnet Ave., at The Parsons Steam Laundry Co., N. of Walnut, 131 ft. ....	1		
County St., at Mrs. Fred'k. Grinnell's, N. from S. line Russell, 13 ft. ....			1
Elm St., at United States Post Office, W. of Pleasant, (north), 79 ft. ....		1	
Front St., at Union St. Railway Co., N. of Hazard Lane, 23 ft. ....	1		
Halls Court, at The C. F. Wing Co., Inc., S. of William 143 ft. ....	1		
Jouvette St., at A. Marcoux's Laundry, W. of County, 503 ft. ....			1
North St., at Holy Family School, E. of Summer, 115 ft. ....			1
Purchase St., at N. B. Dry Goods Co., N. of Spring, 57 ft. ....	1		
Purchase St., at Maynard A. Davis's, N. of Spring, 58 ft. ....	1		
Purchase St., at N. B. Dry Goods Co., N. of Spring, 58 ft. ....		1	
Purchase St., at Maynard A. Davis's, N. of Spring, 58 ft. ....			1
Purchase St., at Bristol Realty Co., N. of Union, 51 ft. ....			1
Purchase St., at Bristol Realty Co., N. of Union, 54 ft. ....	1		
Purchase St., at Steiger Dudgeon Co., S. of Sears Ct., 22 ft. ....	1		
Purchase St., at Steiger Dudgeon Co., S. of Sears Ct., 20 ft. ....			1
Purchase St., at The C. F. Wing Co., Inc., S. of William, (east), 141 ft. ....	1		
Spring St., at N. B. Gas & Edison Light Co., W. of Purchase, 54 ft. ....	1		
Spring St., at N. B. Gas & Edison Light Co., W. of Purchase, 56 ft. ....		1	
Union St., at A. Frank Clark's, E. of First, 15 ft. ....	1		
West French Ave., at Intercepting Sewer, Screen House S. of Bellevue, 727 ft. ....			1
William St., at Cherry & Co., E. of Purchase, 83 ft. ....	1		
William St., at Merchants Bank Bldg., W. of Purchase, 60 ft. ....	1		
Totals. ....	12	3	7

TABLE G—CONCLUDED.

LOCATION AND SIZE OF PRIVATE STOP GATES REMOVED  
IN 1914.

Streets.	4 in.	3 in.	2 in.
Acushnet Ave., at the Bancroft House, N. of Barker's Lane, 3 ft. ....		1	
Coffin St., at N. B. Gas & Edison Light Co., E. of Water, 259 ft. ....	1		
Dover St., at W. S. Bourne's W. of Second, 46 ft. ....			1
Durfee St., at Union St. Railway Co., E. of Mt. Pleasant, 45 ft. ....		1	
Elm St., at Hathaway's Theatre, W. of Acushnet Ave., 57 ft. ....		1	
Elm St., at North Congregational Church, W. of Purchase, (south) 12 ft. ....		1	
Pleasant St., at Morse Twist Drill & Machine Co., N. of Wing, 63 ft. ....			1
Spring St., at N. B. Dry Goods Co., W. of Purchase, 53 ft. ....			1
Totals. ....	1	4	3

Number set during 1914. .... 22

Number removed. .... 8

To be added. .... 14

Number in use December 1st, 1913. .... 315

Number in use December 1st, 1914. .... 329

TABLE H.  
LOCATION AND SIZE OF AIR TAPS SET IN 1914.

Streets	1 in.	$\frac{3}{4}$ in.	$\frac{5}{8}$ in.
Hollyhock St., south side, W. of Field 106 ft. ....	1		
Second St., in south side 30" gate box, S. of Griffin 6 ft. ....		1	
Second St., west side, N. of Griffin 189 ft. ....		1	
Second St., in north side 30" gate box, N. from S. line Cannon 0.8 ft. ....		1	
Second St., in south side 30" gate box, on S. line Madison.		1	
Sixth St., in north side 20" gate box, N. of Union 4 ft. ....		1	
Summer St., west side, S. of Hillman 1 ft. ....			1
Summer St., west side, N. of Maxfield 4 ft. ....			1
Union St., in east side 12" gate box, E. of Purchase (south), 6 ft. ....			1
Union St., in east side 10" gate box, E. of Pleasant, 0.8 ft. ....			1
Union St., in east side 10" gate box, on E. line Sixth . . . .			1
<b>Totals</b> .....	1	5	5

Number in use December 1st, 1913. .... 156

Number set during 1914. .... 11

Number in use December 1st, 1914. .... 167

TABLE I.  
LOCATION OF HYDRANTS SET IN 1914

Apponagansett St., south side, 133 ft. W. of East French Ave.  
Apponagansett St., south side, 311 ft. E. of Brock Ave.  
Aquidneck St., south side, 844 ft. E. of Brock Ave.  
Aquidneck St., S. E. cor. Brock Ave.  
Bank St., west side, 88 ft. N. of Rockdale Ave.  
Bellevue St., S. W. cor. Brock Ave.  
Bellevue St., south side, 466 ft. W. of Brock Ave.  
Bellevue St., S. E. cor. West French Ave.  
Brook St., west side, 117 ft. S. of Shaw.  
Cannon St., S. W. cor. Second.  
Carroll St., south side, 302 ft. W. of Brigham.  
Cedar Grove St., S. E. cor. Summer.  
Central Ave., south side, 505 ft. W. of Bowditch.  
Charles St., south side, 122 ft. E. of Brock Ave.  
Church St., west side, 83 ft. N. of Query.  
Clinton St., south side, 83 ft. W. of Brownell.  
Coffin St., S. E. cor. Second.  
Conduit St., west side, 145 ft. S. of Hatch.  
Earle St., S. E. cor. Front.  
Ellen St., S. E. cor. Freeman.  
Eugenia St., S. W. cor. Bowditch.  
Eugenia St., south side, 290 ft. W. of Bowditch.  
First St., S. W. cor. Spring.  
Flag Swamp Rd., north side, 84 ft. W. of Flag Swamp Rd. (south.)  
Frederick St., south side, 70 ft. E. of Cleveland (south.)  
Frederick St., S. W. cor. Cleveland (north.)  
Glennon St., south side, 408 ft. W. of Brook.  
Griffin St., S. W. cor. Water.  
Hemlock St., west side, 249 ft. S. of Winsper.  
Hemlock St., west side, 74 ft. S. of Winsper.  
Hemlock St., S. W. cor. Winsper.  
High Hill Reservoir, east side, opp. Inlet gate house.  
Highland St., N. W. cor. Sutton.  
Highland St., west side, 472 ft. N. of Sutton.  
Hillman St., S. W. cor. Summer.  
Howe St., S. W. cor. Hicks.  
Irvington St., south side, 592 ft. E. of Bowditch.  
Irvington St., south side, 368 ft. E. of Bowditch.



Irvington St., south side, 280 ft. E. of Bowditch.  
 Jenkins St., S. E. cor. Hemlock.  
 Kearsarge St., N. W. cor. Ingraham.  
 Kempton St., S. E. cor. Jenney.  
 Madison St., S. W. cor. First.  
 Madison St., S. W. cor. Second.  
 Madison St., S. E. cor. Purchase.  
 Maple St., south side, 113 ft. W. of Rounds (north).  
 Matthew St., south side, 319 ft. W. of Dartmouth.  
 Maxfield St., S. E. cor. Spruce.  
 Milford St., west side, 414 ft. N. of Irvington.  
 Milford St., S. W. cor. Carlisle.  
 Morgan St., south side, 332 ft. E. of Cottage.  
 Mt. Vernon St., south side, 101 ft. W. of Highland.  
 Mt. Vernon St., S. W. cor. Richmond  
 North St. S. W. cor. Summer  
 Oakland St., west side, 320 ft. N. of Durfee.  
 Palmer St., S. W. cor. Hawthorn  
 Phillips Rd., south side, 345 ft. W. of Acushnet Ave.  
 Phillips Rd., south side, 1222 ft. W. of Acushnet Ave.  
 Princeton St., south side, 449 ft. W. of Bowditch.  
 Purchase St., S. W. cor. Thompson.  
 Purchase St., S. W. cor. South.  
 Purchase St., S. W. cor. Washington.  
 Purchase St., S. E. cor. Union.  
 Purchase St., N. W. cor. Sears Court.  
 Purchase St., west side, 94 ft. S. of Elm.  
 Query St., south side, 289 ft. E. of Acushnet Ave.  
 Query St., south side, 179 ft. W. of Bowditch.  
 Reed St., west side, 189 feet N. of Hawthorn.  
 Rochambeau St., west side, 218 feet N. of Irvington  
 Rockland St., S. W. cor. Purchase.  
 Rotch St., S. W. cor. Maple.  
 Russell St., S. W. cor. Purchase.  
 Russell St., S. W. cor. Pleasant.  
 Sawyer St., S. W. cor. Myrtle.  
 Second St., west side, opp. Morgan's Lane.  
 Spring St., S. W. cor. Purchase.  
 Summer St., S. W. cor. Smith.  
 Summer St., S. W. cor. Willis.  
 Summer St., S. W. cor. Parker.  
 Sycamore St., S. W. cor. Summer.  
 Sycamore St., south side, 133 ft. W. of Park.  
 Valentine St., south side, 118 ft. E. of West French Ave.  
 Walnut St., S. W. cor. Acushnet Ave.  
 West French Ave., east side, 753 ft. S. of Bellevue.  
 William St., S. W. cor. Purchase.

**Located in Freetown:**

Middleboro Rd., west side, 802 ft. S. of Freetown & Lakeville line.  
 Middleboro Rd., west side, 6 ft. S. of Freetown & Lakeville line.  
 Quittacas Pump'g. Sta. Rd., south side, 100 ft. E. of Middleboro Rd.

## HYDRANTS REMOVED IN 1914.

Bellevue St., south side, 319 ft. W. of Brock Ave.	Post.
Central Ave., south side, 283 ft. W. of Bowditch.	Post.
Clinton St., south side, 176 ft. W. of Rotch.	Post.
Earle St., south side, 319 ft. E. of Front.	Post.
Ellen St., south side, 177 ft. W. of Brock Ave.	Post.
Eugenia St., south side, 65 ft. W. of Bowditch.	Post.
First St., S. W. cor. Spring.	Flush.
Glennon St., south side, 133 ft. W. of Brook	Post.
Griffin St., S. W. cor. Second.	Post.
Hawthorn St., south side, 63 ft. W. of Palmer.	Post.
Hemlock St., west side, 74 ft. S. of Winsper.	Post.
Hicks St., south side, 276 ft. E. of Acushnet Ave.	Post.
Irvington St., south side, 280 ft. E. of Bowditch.	Post.
Jenkins St., south side, 464 ft. W. of Bolton.	Post.
Kempton St., S. E. cor. Jenney.	Flush.
Madison St., S. W. cor. First.	Flush.
Maple St., south side, 49 ft. W. of Brownell (north.)	Post.
Matthew St., south side, 248 ft. W. of Dartmouth.	Post.
Maxfield St., S. E. cor. Spruce.	Flush.
Mechanic's Lane, N. W. cor. Purchase.	Post.
Milford St., west side, 576 ft. N. of Irvington.	Post.
Mt. Vernon St., S. W. cor. Highland.	Post.
Mt. Vernon St., south side, 101 ft. W. of Highland.	Post.
Parker St., S. W. cor. Summer.	Flush.
Purchase St., west side, 61 ft. S. of Potomska.	Post.
Purchase St., N. W. cor. Rockland.	Flush.
Purchase St., east side, oppo. Washington.	Post.
Purchase St., S. W. cor. Union.	Flush.
Purchase St., N. W. cor. Union	Flush.
Russell St., south side, 92 ft. E. of Pleasant.	Flush.
Sawyer St., south side, 644 ft. W. of County.	Post.
Sear's Ct., S. W. cor. Purchase.	Flush.
Second St., west side, opp. Morgan's Lane.	Post.
Second St., N. W. cor. Coffin.	Flush.
Summer St., N. W. cor. North.	Flush.
Summer St., N. W. cor. Hillman.	Flush.
Summer St., S. W. cor. Willis.	Flush.
Sycamore St., S. W. cor. Summer.	Flush.
Valentine St., south side, 142 ft. E. of West French Ave.	Post.
William St., S. W. cor. Purchase.	Post.
Winsper St., south side, 461 ft., W. of Bolton.	Post.

## WATER REPORT

Number set during 1914.....88

Number removed during 1914.....41

Number to be added.....47

Number in use December 1st, 1913.....1257

Number in use December 1st, 1914.....1304

TABLE J.

LOCATION OF WATERING CART HYDRANTS REMOVED  
IN 1914.

Allen St., north side, 7 ft. E. from W. line Stone	Flush.
First St., west side, 118 ft. S. of School	Flush.
Second St., west side, 21 ft. S. of Grinnell	Post.
Second St., west side, 21 ft. S. of Cannon	Post.
Summer St., N. W. cor. Hillman	Flush.

Number in use December 1st, 1913.....	79
Number removed during 1914.....	5
	<hr/>
Number in use December 1st, 1914.....	74

TABLE K.

## STATEMENT OF WORK DONE BY THE SERVICE DEPARTMENT FOR THE YEAR ENDING DECEMBER 1, 1915.

Kind and Size	Number of Services	Length on Taker	Length on City
Lead pipe 1 inch light.....	6	219.0	108.0
Lead pipe 1 inch heavy.....	4	155.0	74.0
Lead pipe $\frac{3}{4}$ inch light.....	121	3,299.5	2,556.0
Lead pipe $\frac{3}{4}$ inch heavy.....	11	427.0	504.0
Lead pipe $\frac{5}{8}$ inch light.....	179	2,549.5	4,375.0
Lead pipe $\frac{5}{8}$ inch heavy.....	152	2,208.0	3,532.0
Cast iron pipe 4 inch.....	12	284.5	
Cast iron pipe 3 inch.....	3	160.0	
Cast iron pipe 2 inch.....	5	292.0	
Galvanized pipe 1 inch.....	2	86.0	
Galvanized pipe $\frac{3}{4}$ inch.....	7	761.5	
Totals.....	502	10,442.0	11,149.0

Two 1 inch light lead services have been removed and replaced with 2 inch cast iron.

One 1 inch heavy lead service has been removed and replaced with 1 inch heavy lead.

One 1 inch light lead service has been removed and replaced with 1 inch light lead.

One  $\frac{3}{4}$  inch iron service has been removed and replaced with  $\frac{3}{4}$  inch light lead.

One  $\frac{3}{4}$  inch iron service has been removed and replaced with 1 inch light lead.

Three  $\frac{5}{8}$  inch iron services have been removed and replaced with  $\frac{5}{8}$  inch heavy lead.

One  $\frac{5}{8}$  inch heavy lead service has been removed and replaced with  $\frac{3}{4}$  inch heavy lead.

Three  $\frac{5}{8}$  inch heavy lead services have been removed and replaced with  $\frac{5}{8}$  inch heavy lead.

One  $\frac{5}{8}$  inch light lead service has been removed and replaced with  $\frac{3}{4}$  inch heavy lead.

One  $\frac{5}{8}$  inch light lead service has been removed and replaced with  $\frac{3}{4}$  inch light lead.

Three  $\frac{5}{8}$  inch light lead services have been removed and replaced with  $\frac{5}{8}$  inch heavy lead.

One  $\frac{5}{8}$  inch light lead service has been removed and replaced with  $\frac{5}{8}$  inch light lead.

Nine connections to services previously laid have been made by the owners.

Eleven connections to services previously laid have been made by the city using 103.5 feet  $\frac{3}{4}$  inch light lead, 161.5 feet  $\frac{3}{4}$  inch heavy lead, 51 feet  $\frac{5}{8}$  inch light lead, 161 feet  $\frac{5}{8}$  inch heavy lead, 31 feet  $\frac{1}{2}$  inch heavy lead.

Fifty-six extensions to services previously laid have been made by the City using 290 feet 8 inch cast iron, 34 feet 6 inch cast iron, 17.5 feet 4 inch cast iron, 14 feet 2 inch galvanized iron, 11 feet  $\frac{3}{4}$  inch galvanized iron, 33 feet 1 inch light lead, 28 feet 1 inch heavy lead, 56 feet  $\frac{3}{4}$  inch heavy lead, 109.5 feet  $\frac{3}{4}$  inch light lead, 290.5 feet  $\frac{5}{8}$  inch heavy lead, 420.5 feet  $\frac{5}{8}$  inch light lead, 17.5 feet  $\frac{1}{2}$  inch heavy lead.

Eighteen connections to services previously laid by the owners have been discontinued.

Eleven connections to services previously laid by the City have been discontinued.

One 4 inch cast iron, two 3 inch cast iron, three 2 inch cast iron, two 2 inch galvanized iron, one 2 inch wrought iron, one 1  $\frac{1}{2}$  inch heavy lead, four 1 inch heavy lead, three 1 inch light lead, ten  $\frac{3}{4}$  inch heavy lead, eight  $\frac{3}{4}$  inch light lead, one  $\frac{5}{8}$  inch iron, forty-eight  $\frac{5}{8}$  inch heavy lead, thirty-one  $\frac{5}{8}$  inch light lead, thirty-three  $\frac{1}{2}$  inch heavy lead, two  $\frac{1}{2}$  inch light lead services have been removed.

Length of service pipe laid during the year, 22,912 feet.

Number of services laid in 1914.....	502
Number removed.....	150
Number to be added.....	352
Number in use December 1, 1913.....	14,055
Number in use December 1, 1914.....	14,407

## SUMMARY OF STATISTICS FOR THE YEAR ENDING 1914.

IN FORM RECOMMENDED BY THE NEW ENGLAND WATER WORKS ASSOCIATION.

### NEW BEDFORD WATER WORKS

NEW BEDFORD,  
BRISTOL COUNTY, MASS.

#### GENERAL STATISTICS.

Population by census of 1910, 96,652.

Date of construction 1866, to 1869, inclusive. Further supply 1895, to 1901, inclusive.

By whom owned, City of New Bedford.

Source of supply.—Water was first introduced on Nov. 26, 1869, from that date until July 10, 1899, the supply was taken from a storing reservoir artificially formed by constructing a dam across the valley of the Acushnet River, seven miles north of the centre of the City. This supply was augmented by a connection made in 1886 with Little Quittacas Pond. Since July 10, 1899, the whole supply has been taken from Great and Little Quittacas Ponds, eleven miles north of the centre of the City.

Mode of supply —Previous to July 10, 1899, the water flowed by gravity from the Acushnet Storing Reservoir (grade 40' + high water New Bedford Harbor) through a brick conduit 3 feet wide, 4 feet high, 5 6-10 miles long to a receiving reservoir (capacity 3 million gallons; grade 30') located opposite the Purchase Street Pumping Station. Thence it was pumped into the Mt Pleasant Distributing Reservoir (capacity 15 million gallons; grade 154') located 1,879 feet distant, from whence it flowed by gravity into the City's distributing system. Since July 10, 1899, the entire supply has been pumped from Little Quittacas Pond (grade 52' through a 48-inch steel force main 8 1-4 miles long) to a distributing reservoir (capacity 67 millions gallons; grade 216') located upon High Hill, in the town of Dartmouth. From this reservoir it flows into the City's distributing system by gravitation through two 36-inch cast iron pipes averaging 4 1-17 miles in length.

The first named system is not now in use; but is held in reserve to meet any emergency which might occur.

## PUMPING STATISTICS.

## 1. Builders of Pumping Machinery.

## Purchase Street Station:

- a. McAlpine engine,  
built by Quintard Iron Works, Cap. 5,000,000 gals. per 24 hrs.
- b. Duplex engine,  
built by Henry R. Worthington, Cap. 3,000,000 gals. per 24 hrs.
- c. High duty engine,  
built by Henry R. Worthington, Cap. 5,000,000 gals. per 24 hrs.

## Little Quittacas Station:

- a. b. Leavitt engines in duplicate, Capacity of the two engines  
built by Dickson Mfg. Co. 20,000,000 gallons per 24 hrs.

## 2. Description of fuel used.

- a. Kind—bituminous.
- b. Brand of coal—Pocahontas.
- c. Price of coal per gross ton—delivered Little Quittacas Station, \$4.36.
- d. Percentage of ash—7.
- e. Wood, price per cord—none used.

## LITTLE QUITTACAS STATION—Engine B

- 3. Coal consumed for the year — 3,237,670 lbs.
- 4. [Pounds of wood consumed] : 3 = equivalent amount of coal—none used.
- 5. Total equivalent coal consumed for the year - (3) + (4).  
3, 237,670 lbs.
- 6. Total pumpage for the year — 2,722,005,492 gallons with allowance for slip.
- 7. Average static head against which pumps work — 170.36 feet.
- 8. Average dynamic head against which pumps work—187.17 feet.
- 9a. Number of gallons pumped per pound of equivalent coal (5) → 840.
- 9b. Number of gallons raised 100 feet per pound of equivalent coal (5)—1,572.



$$10. \text{ Duty} = \frac{\text{gals. pumped (6)} \times 8.34 \text{ (lbs.)} \times 100 \times \text{dynamic head (8)}}{\text{Total fuel consumed (5)}} = 131,237,729$$

*Cost of pumping figured on pumping station expenses, viz :*  
\$22,950.01

11. Per million gallons pumped—\$8.43

12. Per million gallons raised one foot (dynamic)—4 5 10 cents

*Cost of pumping figured on total maintenance and interest on bonds (see financial CC + DD) viz.: \$182,067.75*

13. Per million gallons pumped—\$66.89

14. Per million gallons raised one foot (dynamic)—36 cents

### FINANCIAL STATISTICS.

RECEIPTS.		EXPENDITURES.	
<i>Balance brought forward:</i>		<i>Water works maintenance:</i>	
(a) From ordinary (maintenance) receipts,	\$21,608.09	AA. Operation (management and repairs),	\$106,747.75
(b) From extraordinary receipts (bonds, etc.)		CC. Total maintenance,	\$106,747.75
Total	21,608.09	DD. Interest on bonds,	75,320.00
<i>From water rates:</i>		(CC+DD)	182,067.75
A. Fixture rates,		EE. Payments of bonds,	21,000.00
B. Meter rates, \$288,874.97		FF. Sinking fund,	27,930.00
C. Total from consumers,	288,874.97	<i>Water works construction:</i>	
D. For hydrants,		GG. Extension of mains,	58,766.62
E. For fountains,		HH. Extension of services,	12,301.60
F. For street watering,	737.43	II. Extension of meters,	13,570.46
G. For public buildings,		JJ. Special:	584.19
H. For miscellaneous uses,	306.09	KK. Total construction,	85,222.87
I. Gen'l. appropriations,		LL. Unclassified expenses:	
J. Total from municipal departments,		Deficit, Dec. 1, 1913	4,634.00
K. From tax levy,		MM. Balance:	
L. From bond issue,		(aa) Ordinary	4,241.07
M. From other sources:		Total balance,	4,241.07
For building purposes,	2,898.88		
For meter rentals,	10,670.23		
N. Total	\$325,095.69	N. Total,	\$325,095.69

#### Disposition of balance,

O. Net cost of works to date	-	-	-	-	-	-	\$4,550,969.91
P. Bonded debt at date	-	-	-	-	-	-	1,981,000.00
Q. Value of sinking fund at date	-	-	-	-	-	-	785,091.24
R. Average rate of interest	-	-	-	-	-	3.98 100	+ per cent

## STATISTICS OF CONSUMPTION OF WATER.

1. Estimated total population at date.....	108,000
2. Estimated population on lines of pipe .....	104,000
3. Estimated population supplied .....	103,000
4. Total consumption for the year.....	2,712,726,402 gallons
5. Passed through meters.....	2,374,497,033 gallons
6. Percentage of consumption metered.....	87½ per cent
7. Average daily consumption .....	7,432,127 gallons
8. Gallons per day to each inhabitant.....	69
9. Gallons per day to each consumer .....	72
10. Gallons per day to each tap .....	516
11. Cost of supplying water, per million gallons figured on total maintenance (item CC) .....	\$39.35
12. Total cost of supplying water, per million gallons figured on total maintenance + interest on bonds .....	\$67.11

## STATISTICS RELATING TO DISTRIBUTING SYSTEM.

MAINS.	SERVICES.
1. Kind of pipe, cast iron and steel.	16. Kind of pipe, lead, wrought iron and cast iron.
2. Sizes, from 4 inch to 48 inch.	17. Sizes, ½ inch to 10 inch.
3. Extended 35,412 feet during the year.	18. Extended 22,912 feet.
4. Discontinued 13,709 feet during year.	19. Discontinued 6,410 feet.
5. Total now in use 162 <sup>48889</sup> / <sub>100000</sub> miles.	20. Total now in use 101.27 miles.
6. Cost of repairs per mile \$42.23.	21. Number of service taps added during year 352.
7. Number of leaks per mile .8617.	22. Number now in use, 14,407.
8. Length of pipes less than 4 inches diam., <sup>8831</sup> / <sub>100000</sub> miles	23. Average length of service 37.1 feet.
9. Number of hydrants added during year, (public and private), 51.	24. Average cost of service for the year: a. Gross, \$24.51. b. Net, \$12.77.
10. Number of hydrants (public and private) now in use, 1690.	25. Number of meters added, 1,448.
11. Number of stop gates added during year, 79.	26. Number now in use, 13,788.
12. Number of stop gates now in use, 2139.	27. Percentage of services metered, 95 <sup>7</sup> / <sub>10</sub>
13. Number of stop gates smaller than 4 inch, 106.	28. Percentage of receipts from metered water (B :- C), 100.
14. Number of blow offs, 164.	
15. Range of pressure on mains, 25 lbs. to 95 lbs.	





# OLD DARTMOUTH HISTORICAL SKETCHES

No. 42.

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Being the proceedings of the Old Dartmouth Historical Society, held  
in their building, Water Street, New Bedford, Massachusetts, on  
April 19, 1915.

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## THE DEVELOPMENT OF THE NEW BEDFORD WATER SUPPLIES.

Presented by Robert C. P. Coggeshall.



**PURCHASE STREET PUMPING STATION, 1870.**

# THE DEVELOPMENT OF NEW BEDFORD WATER SUPPLIES.

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R. C. P. COGGESHALL

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A supply of good water was a factor always considered by our ancestors, in determining a location for permanent settlement. Good spring water was always preferred, but if not found, shallow wells were sunk from which water was obtained by buckets raised by poles or pulleys or by long balance poles.

The accumulation of organic matter, due to increase in population, gradually polluted such waters. This was especially true in congested districts, where such supplies also became insufficient. In every community the waters of certain wells were preferred because they were thought to be superior in quality. Citizens would sometimes reject the water of their own wells, and travel long distances to obtain the better water. Certain wells were known as "tea water wells" because it was thought that better tea could be brewed therefrom.

New York had its famous "Tea Water Pump Garden" situated at what is now the junction of Chatham and Roosevelt streets. This was a famous resort in Revolutionary times, where tea and stronger beverages could be obtained. The streets in its vicinity were often obstructed by the vehicles of the rich and fastidious, waiting their turn at the pump. The place finally became so congested that the New York common council in 1797 ordered "the spout of the pump to be sufficiently raised and lengthened to permit pedestrians to pass beneath it."

In the early days of our own city, certain wells came to have a good repute. Leonard B. Ellis has told of

a well of delicious water which existed in Rose Alley in 1815 and which supplied that neighborhood. The town pump in City Hall square and the inverted cannon fountain on Rodman street at Water street, were liberally patronized and gave satisfaction to their users.

At the opening of the last century the science of delivering wholesome, liberal, and reliable supplies of water to congested districts was little understood. The appliances and methods necessary to accomplish this result had not then been developed. The average well was unsatisfactory. It might be dry when needed, or unsafe for domestic use at other times. The growing agitation for more water and that of better quality was making itself felt. Private water supply companies began to organize to improve conditions. It later developed that the majority of these enterprises were based more upon the health of the investors' pocketbooks than upon any anxiety concerning the physical well-being of their patrons. Such companies were content to do as little as possible. Their plants were crudely constructed and clumsily operated. The nearest supply was taken in preference to going a longer distance to get something better. Their capacity was limited at best and growing tree roots completely filling the log pipes would cut off the supply. The customers were dissatisfied and constant friction between company and taker became rampant, generally resulting in a short life for the company.

I am now going to relate the story of the Manhattan Company of New York City. Its promoters induced the citizens of that city to believe that their whole concern was to supply

them with pure and wholesome water, while all the time they were inwardly conspiring to accomplish something very different.

Until very recently anyone happening to pass the northwest corner of Reed and Centre streets in the city of New York could observe through the windows of the building located there, a large cast-iron water tank which was supplied with water from a large well beneath, by means of a steam pump. This interesting relic has existed for over one hundred years, and its former use is practically forgotten by everyone except the owners, the Manhattan Water Company. Due to a curious legal fiction, that company must continue to maintain the semblance of a water plant in order to keep its charter, which is an exceedingly valuable document since under a "joker" clause it has built up the great Bank of the Manhattan Company of New York City. The tank was removed last June (1914), but the Water Company will continue the maintenance of pump and well.

The granting of this charter to the Manhattan Company establishing a water supply to the City of New York was an historic event and thereby hangs a tale.

Corporate Banking in New York City began with the organization of the Bank of New York by Alexander Hamilton in 1784. For fifteen years this bank, together with the New York branch of the first Bank of the United States, were the only banks doing business in either the City or State of New York. With Hamilton and the Federalists in control of the legislature, new bank charters were unobtainable. This monopoly of banking facilities in the City and State was of great strategic value to the political party in control, and naturally aroused jealousy and resentment among the members of the opposition whose leader was Aaron Burr.

In 1798, New York City suffered from a severe yellow fever epidemic which was attributed to the poor water supply. Upon the assembling of the legislature in 1799 an association of individuals, among whom Aaron Burr was the moving spirit, applied for a charter for the purpose of "supplying the City of New York with pure and wholesome water." With a capital of \$2,000,000, the project was an ambitious one for those days. Burr used his influence as a member of the assembly in persuading that body to feel that as there was a great uncertainty as to the probable cost of the proposed water works system, permission should be

granted the company to invest all surplus capital in other directions.

The eighth clause of the charter, which attracted but little attention at the time, was really the most important one. It reads as follows:

"And be it further enacted, that it shall, and may be lawful for the said company to employ all such surplus capital, as may belong or accrue to the said company, in the purchase of public or other stock, or in any other monied transactions or operations not inconsistent with the constitution and laws of this State, or of the United States, for the sole benefit of the said company."

Availing itself of the powers conveyed by the above clause, the Manhattan Company formed a powerful bank, which was the real object of the incorporators. Only enough was done in the matter of introducing water necessary to hold the charter.

It is evident that the legislature expected the Manhattan Company to obtain an ample and satisfactory supply from the Bronx River or some other stream from the wording of the charter which grants the Company the right "to erect dams, or other works across, or upon any stream or streams, of water, river or rivers, or any other place or places, where they shall judge proper for the purpose of raising such stream or streams, or turning the course thereof, or of making use of such streams, rivers, or places for constructing or working of any necessary engines, or to construct, dig or cause to be opened any canals or trenches whatsoever for conducting of such stream or streams or any other quantity of water from any source or sources that they may see fit."

Instead of obtaining an ample supply from the Bronx or some other stream or streams the Manhattan Company proceeded to sink a series of large wells at the location stated at the beginning of this story. At that time this was a thickly populated location totally unfit to produce wholesome and pure water. The water was pumped from these wells into a reservoir located on Chambers street from whence it was distributed in hollow logs of small bore generally through the city south of City Hall. The company laid about 25 miles of pine log pipe of different sizes and supplied about 2,000 houses.

I herewith present to you a sample section of one of these log pipes. This was rescued from a street in lower New York some years ago by Andrew Snow of South Dartmouth, who was then living in New York and by him presented to the speaker.

The quality of the water was exceedingly poor and caused constant irritation and complaint. Cartoons issued at the time indicate that "Pure Manhattan" and very muddy and uninviting water were regarded as synonymous terms. The citizens of New York endured this nuisance for over thirty years, during which time constantly increasing agitation resulted in the introduction of the Croton Supply in 1842. Shortly after the Manhattan Company closed its activities and practically retired as a water distributor.

Boston had its Jamaica Pond Aqueduct Company which flourished several years previous to 1848. This Company led the waters of Jamaica Pond into Roxbury and Boston, using for that purpose pitch pine logs, none larger than a four-inch bore. The extent of their operations did not exceed fifteen miles of distribution logs. As can well be imagined, this supply was neither satisfactory nor adequate, and with the advent of the much superior Cochituate supply the business of this company vanished.

In 1799 the Massachusetts general court passed an "act enabling proprietors of aqueducts to manage the same." This act was a long document in 12 sections regulating the business of furnishing water supplies. This was followed by the appearance of many aqueduct companies throughout the state. Most of these were insignificant affairs and the majority have long since been forgotten. One case of this very kind is identified with our own city and no one living today seems able to give much information as to the extent of its activities. It flourished between 1803 and 1822. The books of records, dividends, stock transfers, with a few scattering papers have recently been rescued and are now deposited in the Free Public library. These documents have little to say regarding the plant, its actual cost and manner in which it was operated. In the absence of the treasurer's accounts I am unable to give any statement whatever regarding receipts and expenditures, neither can I give a list of the streets in which logs were placed, the number of service supplies, or the rates that were charged.

With the help of these papers and stray bits of information I have woven the following story: An association was formed in Bedford village in 1803 for the purpose of furnishing a water supply. The paper soliciting subscriptions to the stock was dated July 14, 1803. It states that the said subscribers associate

"For the purpose of conducting the water from the southwest part of the village of Bedford through the most convenient streets to the four corners, so-called, and from thence to such parts of the village as shall be thought best. Do agree to take the number of shares as set against our names, and no more. That the association shall consist of fifty shares and when the whole number of shares shall be subscribed, do agree to pay such installments thereon as a committee (which shall be appointed for that purpose) shall assess from time to time.

"And having assumed the name of the First Aqueduct association, do further agree that the business shall be transacted by that name, that each share shall be entitled to one vote provided, however, that no person shall have more than five votes.

"And there shall be annually appointed a treasurer and committee who shall assess such sums of money as shall be wanted for the purpose aforesaid, and who shall have power to make contracts in behalf of the association, viz: for purchasing a lot, digging a fountain, procuring and sinking the logs, to make contracts with such people as may wish to take the water, and keep the aqueduct in repair and to examine the treasurer's accounts."

The stock must have been quickly taken for upon the next day the first meeting of the association was held, with Charles Russell as moderator, Joseph Ricketson clerk, and Jonathan Allen treasurer. A committee of six was appointed with full power to attend to all duties stated in the last paragraphs of the subscription paper given above and, in addition, they were directed "to assess such sums of money from time to time as may be wanted for this purpose, provided such sums shall not exceed, in the whole, twenty-five dollars per share.

We can only surmise as to just what they did. They must have made a contract with Caleb Jenne (one of the stock holders) to dig the fountain (well) and very shortly there was some sort of disagreement for at a meeting held a month later a vote was passed allowing Caleb Jenne sixty dollars over and above the agreement made with him by the committee, whereupon the committee in charge "prayed for dissolution" which was promptly granted and a new committee appointed.

Caleb got the best of the first committee but that did not end his troubles for two months later his work is very sharply criticised. The



association then voted: "That in their opinion Caleb Jenne did not build the fountain walls in a sufficient manner and that he shall build the western wall (which has now fallen down) at his own expense." The standing committee was directed to repair the damage and "keep an account of the expense and when Caleb Jenne shall have paid the amount of said expense he shall be discharged from all further demands."

Caleb must have been terribly slow in effecting a settlement, for two years later the directors are instructed to "call upon Caleb Jenne to fulfill and complete his contract." This is the last mention of the matter but I doubt whether Caleb Jenne ever finished that job.

That the fountain was finally finished, log pipes installed, and water delivered to customers is attested to by an article which appears in the *Columbia Courier* of July 4, 1805. After a brief description of a slight fire occurring in the house belonging to John Gerish, it goes on to say:

"As every person who was at the fire must have been sensible of the great deficiency in the number of leather buckets, and as their great utility is so very apparent, the inhabitants are requested to call on Joseph Ricketson, who has opened a subscription for the purpose of obtaining an adequate supply.

"As one means of obtaining a plentiful supply of water in case of fire, we would respectfully suggest to the selectmen the propriety of placing conductors (hydrants) at proper distances from each other in the pipes belonging to the First Bedford Aqueduct corporation. This measure is authorized by an act of this state respecting aqueducts."

Joseph Ricketson's subscription paper for obtaining a new supply of fire buckets appears among the aqueduct papers in the Free Public Library. There were twenty-seven subscribers agreeing to furnish a pair of buckets; sixteen subscribers one dollar each; four subscribers two dollars each; one five dollars and James Arnold and William Rotch, Jr., subscribed twenty dollars each.

Whether or not any connections for fire protection were made with the aqueduct as suggested by the newspaper article just read I have no means of knowing.

On February 25, 1804, the association was incorporated into a body politic by the name of the First Bedford Aqueduct association as authorized by the laws of the commonwealth. Herefore it had been known as the First

Aqueduct association. Soon the directors have trouble trying to deal with people conniving at their neighbors and others, taking water from their pipes who have not purchased that privilege.

So it appears that people actually stole water in those good old days. That practice has not yet gone out of fashion. The directors attempted to stop this by making rules and establishing fines, but judging from complaints made in later meetings, they never wholly succeeded.

In 1807 the directors purchased a second lot adjoining the first and excavated the second well.

In 1811 complaints are made by the directors that many persons who take the water make great waste of it, and that others have refused or neglected to pay therefor. Resolved—That it shall be the duty of the directors for the time being to inform the proprietor and occupant of the house of the neglect, and if neither will agree to pay the amount due, and where water is wasted, engage to make an economical use of it, that they shall immediately cut off the log leading to such premises. But when the contract has been made with a tenant who has removed, or is about to remove from the premises, that the director may in such case let the logs remain, provided the new tenant or proprietor shall engage to pay for the water; and further it shall be the duty of the directors to agree with all that shall engage to take the water that they shall pay for the time they may engage without any abatement even should the water fail for any part of the year, or should it at any time be necessary to draw off the water for the purpose of repairs.

On February 29, 1812 the directors are authorized to use the money in the hands of the collector and treasurer for the purpose of digging a new fountain or any other method of obtaining more water and should the sums be insufficient, to make an assessment on the proprietors.

The third well was finally dug and some sort of a scrap occurred, for at the next annual meeting a new set of directors was elected and authorized to call upon the former directors for a settlement.

It was the custom of the treasurer to report the cash balance on hand at each annual meeting, whereupon the directors would either vote a dividend or would direct the income to be used for repairs. After 1814 this balance is not given and the last annual meeting appears to have been held in 1819. On April 8, 1822, the

last record states that Gideon Howland, Jr., Peter Barney and Abraham Sherman, Jr., be a committee to dispose of the lots of land belonging to the association. This was done and the final dividend on the capital stock was paid September 28, 1822.

It appears that this association was a mutual association of proprietors, divided into fifty assessable shares in which the association has the right to sell any share for non-payment of assessment. The assessment was first limited to twenty-five dollars per share, but this limit was cancelled with the incorporation of the association in 1804. Whether or not assessments exceeding twenty-five dollars per share were ever made we do not know but the directors had the right to do so. I think it probable that an assessment was made in 1812 when the third well was constructed, for in 1814 one share was attached for failing to pay assessment and afterwards transferred to the association.

When the affairs of the association were closed in 1822 the capital stock was valued at \$1,335.25 and \$27.25 per share was paid to the stockholders. The association paid six dividends exclusive of the final stock dividend as follows:

1806—\$4 per share.  
1808—\$5 per share  
1809—\$2 per share.  
1810—\$2 per share.  
1814—\$3 per share.  
1816—\$3 per share.

The project proved to be a poor investment. This fact, together with the final failure of the supply, caused the abandonment of the scheme.

The fountain lot, so called, measured 236 feet north from Walnut street on west side of Sixth street and 102 feet west from Sixth street on the north side of Walnut street, and contained 89 rods. They were acquired from Abraham Russell in two purchases, the first January, 1805, the second February, 1807. The amount paid was \$1073.25. This land is now owned and occupied by Dr. Kirby and Dr. Whitney. The fountains were three large wells connected together and covered by a low triangular roof parallel with Sixth street, with end facing upon Walnut street (Standard, Aug. 26, 1868). From this reservoir the log pipe extended easterly in Walnut street, and it is presumed that they finally supplied the region of the "four corners," so called. The logs were supplied and bored by Benjamin Taber at his water-power mill at the Head of the River. The water department has occasionally come across remains of these logs in past excava-

tions. Many dwellings that were so situated that water could be carried to them by gravity, were supplied from this source. When the enterprise was new it bid fair to be successful, but the supply proved inadequate to meet the growing demands. The simple machinery was too crude and perishable and finally the delivery of the log pipes became obstructed by the roots of trees with which the streets were lined. A tiny hole in the log would attract a fibre of root which would force its way through to the water under whose nourishment it would grow until the pipe was filled and the flow of water completely cut off.

When the affairs of the association were finally wound up in 1822 the wells were filled with stone, but the springs therein continued for many years to supply the fire reservoir at the northwest corner of Walnut and Sixth street. The springy condition of the land in this location exists to this day, in spite of all the drains that have been placed in that region.

The following is a complete list of the 36 stockholders of this company, of whom 31 were original stockholders, at various times during its existence:

Jonathan Allen, Gideon Allen, Aqueduct association, Uriah Brownell, Peter Barney, Joshua Baker, Bedford Bank, Caleb Congdon, Allen Case, Jonathan Card, Cornelius Grinnell, Isaac Howland, Jr., Peleg Howland, Gideon Howland, Jr., Joseph Howland, 2d, William Howland, Stephen Hathaway, Caleb Jenne, Jr., William James, Matthew Myrick, Silas Parker, Abijah Packard, Daniel Ricketson & Son, Gilbert Russell, Charles Russell, Davis Russell, Elihu Smith, Gideon Shepherd, Abraham Shearman, Jr., Daniel Taber, Benjamin Taber, Jr., Francis Taber, Barnabas Taber, Gardner Taber, Taber's wharf, Sands Wing.

In the early days there was a natural water course having its origin in a cedar swamp west of the County street court house, according to Thomas M. Stetson (see Ellis's History, page 63). It trickled eastward, crossing County, Eighth, Sixth streets, Library square, Pleasant street, near the north line of the Bates & Kirby property. A short distance east of Pleasant street it touched the southwest corner of the historical "ten acre lot" purchased of Joseph Rotch from Joseph Russell in 1765. Continuing easterly parallel with the south line of the "ten acre lot," it gave name to the "fountain lot," so called (J. V. Spare Dry Good Co.) because

of the numerous boiling springs of excellent quality which appeared here.

The brook now acquired the character of a "little spring brook" and it is so described in the deed of the "ten acre lot." The "fountain lot" (Note: Please observe that there were two fountain lots in the village, the other being the aqueduct supply at Sixth and Walnut street) justified the establishment of Willard Sears' tannery to the south. The brook continued easterly, crossing Purchase street and Acushnet avenue. Here it was augmented by the entry of a little water course from the north (see Leonard map).

Further on it turned abruptly to the south and crossed Union street at the present location of J. & W. R. Wing's store. Here was a street bridge, and Daniel Ricketson tells us of leaning upon the railing of this bridge to watch the surging water beneath. It then continued to the corner of Second and Spring streets, where it passed through a sizable pool and thence eastward in what is now Spring street, where it entered the river a short distance east of Water street. This water course at Library square and at the fountain lot was developed by the town for fire protection and other uses as will be seen later.

Some time previous to 1838, a sizable fire reservoir had been constructed by the town upon this fountain lot. This reservoir extended into Purchase street as far as the curbing of the west sidewalk.

A store building occupied by Samuel Bennett (1840-50) stood directly over the water and the reservoir extended west of the building. The New Bedford directories, 1838-52, include a list of the public fire reservoirs. Concerning the one under consideration it says:

"One on Purchase street near the First Congregational church, under the building occupied by Samuel Bennett. (The directories locate Samuel Bennett at 41 Purchase street). Two engines can have access to this reservoir on Purchase street, and two or three on the platform in the rear. The entrance to the rear is on Purchase street through the premises of Willard Sears."

When the speaker was recently engaged in laying the water main in Purchase street incidental to the widening of that thoroughfare he uncovered the open end of this reservoir beneath the westerly sidewalk. It was then filled with earth.

Mr. Crapo is authority for the statement that a log pipe connecting with

this reservoir ran north and east in Purchase, William and Rodman streets. On its passage it furnished supplies to the fire reservoir at the northwest corner of William and Second streets, and the continuously running inverted cannon fountain on the south side of Rodman street, east of Water.

In March, 1855, Joshua B. Ashley, chief engineer of fire department, reports that he has thoroughly repaired this Purchase street (fountain lot) reservoir. In 1857 Mr. Ashley reports that:

"The property of Purchase street, a few rods south of William street, on which a reservoir formerly was located, and from which the reservoir on the corner of William and Second streets was supplied, having changed hands, the city was deprived of its use, and it became necessary to find some other supply to take its place. Accordingly, a well was dug on Cheapside, from which, as a head, pipes were laid down William street to the reservoir at Second street and also down Union street to the new reservoir corner of Fourth street, which will contain 2600 barrels. This was filled from the head alone in 32 1-3 days during the driest season of the year, and the stream has been constantly running since, the over supply being led into the supply sewer. The water from the roof of Ricketson's block has also been led into this reservoir."

This was the time that the late George Tappan purchased the fountain lot, and proceeded to erect the present building thereon. He named it China Hall and it retained that name for many years. How the water gushing forth from the bubbling springs was finally disposed of I do not know.

Regarding the well on Cheapside which Mr. Ashley says has been dug. In some way this was a connection with the large reservoir in City Hall square near Sixth street. It was fed by the springs of the brook which we have been considering. The speaker has been in this reservoir more than once. It consisted of three circular connecting walls, each about 10 to 12 feet in diameter. Thus it was about 30 feet long and held from 10 to 12 feet of water. The famous town pump entered the central well. This reservoir was probably constructed shortly after the building of the city hall. It does not appear in the directory list of 1841, but it does appear in 1845. It has been claimed by older citizens that this reservoir yielded an unfailing supply, but this is inaccurate. It was completely exhausted

in the fiercest portion of the great fire of April, 1859, and in 1809 when abandoned and filled up, prior to the placing of foundations of stack room of public library, it was pumped dry in less than an hour.

The reservoir on Purchase street, south of Union, constructed by Mr. Ashley to replace the "fountain lot" reservoir, was abandoned and partially filled up about the time of the erection of the Institution for Savings building. This filling was completed about a month ago with the relaying of the electric car tracks in Purchase street. The controlling valves mentioned in Mr. Ashley's report of 1857 by which the surplus supply was led into the public sewer, was rescued by the speaker a few weeks ago, in relaying the water main in Union street.

Thus all traces of the water course which at one time was a feature of the town and village have now vanished.

The New Bedford Steam Mill corporation was incorporated in 1846 with George Hussey as president and Samuel Rodman, treasurer. This was a cotton mill enterprise located at the northeast corner of Hillman and Water streets. In a few years it was changed over to a flour mill. To obtain a supply of boiler water for this industry a log pipe was laid in Hillman street connecting with the springs at the fire reservoir in that street west of Purchase street, and delivering at the boilers of the mill.

Previous to the advent of the city water supply the water boat owned by Benjamin Rodman was in evidence throughout the city water front whenever a vessel was seeking a supply of water. As I remember, it was a sloop of clumsy model with the word Water, in large letters, upon the main sail. The water was delivered through a rotary pump, the operation of which resembled the turning of a grindstone. This boat received its supply at the head of the dock between the George Howland and Samuel Rodman wharf.

The land at the southeast corner of Hillman and Second streets was formerly the property of Samuel Rodman. There was a large carpenter's shop located on this corner and facing Second street. This was occupied at one time by Ezra Clark. Just south of this shop was the pump which delivered the water at the cap loz of the dock from whence it flowed into the tank of the water boat. One William H. James operated this pump in Benjamin Rodman's interest. The neighbors declared that he became

enamored with the poetry of motion both vertical and circular and that once having established a natural rhythm in late afternoon he would go fast asleep and never miss a stroke until he woke up, which sometimes was the dawn of the following day.

The late fifties found the business of our city in a seriously depressed condition. The day of the highly prosperous whaling voyage was over. The development of the oil wells in Pennsylvania had delivered a staggering blow to this once thriving industry. Added to this came the great financial panic of 1857 the effect of which was keenly felt for many years. Then followed the depressing days of the Civil war period. Yet it was right here amidst all these demoralizing conditions that the agitation for a public water supply had its birth. There was a class of bright young men who believed that a revival of material prosperity could be obtained only through new enterprises. Manufacturing seemed to be the one industry which should be developed. Manufacturing, however, required water and that was lacking. They decided that this barrier must be removed and an agitation was fostered to that end which finally resulted in bringing the desired element to our doors. The controversy continued through all the Civil war period. The heavy tax payers as a rule were opposed and the younger element in favor. Mr. Crapo says "that a proposition to expend several million dollars today would not excite such a bitter struggle." Mr. Crapo was a progressive in those days and was occasionally addressed as "Water Works Crapo" by those not in sympathy with his position.

The first public movement in relation to the introduction of water into the city was made by the late Frederick S. Allen, when he introduced an order in the city council on March 8, 1860, which passed both branches of the city government calling for the appointment of a committee "to consider the practicability and expediency of introducing a permanent supply of fresh water into the city and report some plan, with the probable cost of doing so, and that said committee be allowed six months to report thereon." This committee was appointed.

Let me state right here that from this date on a joint committee from both branches of the city council has been annually appointed. A complete list of these committees appears in an appendix to this paper.

In July, the committee reported that they had visited several localities, but in the absence of surveys were unable to present estimates of cost. They were allowed three hundred dollars for further research. On December 21, they reported that the examination had been continued by William F. Durfee and George A. Briggs under the direction of Captain Charles H. Bigelow, and that the results would appear in Captain Bigelow's report.

The subject was then referred to the next city government. Mayor Isaac C. Taber in his inaugural address of January 7, 1861 said, "that the introduction of water involving, as it does, so much importance in the sanitary, economical, and business interests of the city. I should be unwilling to leave the subject without urging it strongly upon your attention with the hope that at an early date the subject may be resumed and carried through to a successful consummation."

Another joint special committee was appointed on January 17th. (See appendix). This committee consumed most of the year in its investigations. The report was dated December 21, 1861. In addition to the main report which is signed by Isaac C. Taber as chairman, it contains the reports of Captain Charles H. Bigelow, engineer, and George A. Briggs, city surveyor. Captain Bigelow was a United States engineer and was then in charge of construction of fortifications at Clarks point.

Their reports indicate that all available drainage areas between Snituit pond on the east and Watuppa pond on the west, including the Middleboro lakes, had been visited and examined. Captain Bigelow has something to say in regard to all the places which he visited; but he declares his preference for a storing reservoir in the Acushnet valley near the Ansel White Mill dam, with an aqueduct with regular descent along the west bank of the Acushnet river to a receiving reservoir in the north part of the city; thence by pumping to a distributing reservoir somewhere on Windmill Hill, from thence to be distributed through the streets of the city.

Windmill Hill is now known as Mt. Pleasant street. How many present remember the old windmill that stood there in the early sixties? As I recall, it was of the type similar to those which are still to be seen in Portsmouth, R. I. It was located on the west side of Mt. Pleasant street, a short distance south of the French cemetery. Captain Bigelow's report

contains a table of level notes in which he gives heights in various locations in the city, such as the underpinning of city hall, water table County Street Methodist church, underpinning of William G. Taber's fence, southeast corner of County and North streets, sill of windmill, Nash road at railroad crossing, surface of Long Pond, etc. These heights are interesting now, because of the fact that they refer to a zero of mean high water in New Bedford harbor. This was a result of a long series of observations of tide levels. The datum then established by Captain Bigelow has since been the basis of all city engineering operations. To Captain Bigelow must be given the credit of pointing out the possibilities of the Ansel White pond reservoir location. In fact, the entire system as he then outlined it was practically the same scheme as was later developed by Mr. McAlpine and Mr. Briggs.

Mr. Briggs's report was upon the gauging of the streams and the results of calculations as to quantities of water that may be collected under stated conditions. The committee's report takes Captain Bigelow's estimates as a basis and adds to it detailed estimates for installing distribution mains. Captain Bigelow died here shortly after making this report.

In his inaugural address of January 6, 1862, Mayor Taber recommends delay because of the "present distracted condition of our country, and the constantly repeated calls upon our city for relief and the comparatively large outlay by the city for the encouragement of enlistments and the defence of our harbor."

A few days later an order was passed authorizing the mayor to petition the general court for authority to introduce water into the city, and a committee (see appendix) was appointed to take charge of the matter.

There was no other movement of any importance during 1862. Mayor Taber died in September, 1862, and George Howland, Jr., was chosen to fill the vacancy.

In January 5, 1863, Mayor George Howland, Jr., presented a discouraging aspect of the subject in his inaugural address. Mr. Howland at this time was bitterly opposed to the project. He told Mr. Crapo that if the introduction of water became an assured fact he, with most of the community, would never, never have it introduced into their homes. I now quote a few paragraphs which undoubtedly reflected the opinion of the

majority of the tax paying citizens at that time.

"Were we not already supplied, so far as sanitary or culinary purposes are concerned, with as good and as pure water as any community can require, the subject would present itself to my mind in a very different aspect.

"Who among us for his own personal or domestic use, would if water were distributed through our streets, introduce it into his private premises? Probably very few if any; the only purposes for which we want it then, as it seems to me, is for manufactories and the extinguishment of fires."

He then inquires, "What assurance have we that our own capitalists will embark in new ventures or capital will come from abroad to establish new branches of industry among us if the contemplated plan is consummated?"

We shall see a little later a reason which may have had an influence in favor of Mr. Howland's reversal of opinion, in regard to the pure water that was being supplied from the residential wells throughout the city.

His discouraging remarks, however, did not dampen the ardor of those who were pushing the matter.

A few days after Mayor Howland's address, the Rev. William J. Potter gave a pulpit view of the business interests of our city, in which he said: "To start business requires personal effort, labor, assiduity and the utmost physical and mental activity. Folded hands will not do it; sleeping brains will not do it; waiting for something to turn up will not do it; for to those who so wait, nothing will ever turn up. Nothing but mould and poverty and death." After an analysis of the many suggestions that had been made in the direction of securing an improved business condition, he refers to the water question at considerable length. I quote one paragraph:

"If it be said that water is wanted before new business can be further introduced the reply is: Ten miles north of us are vast sleeping ponds, which are only waiting to be touched with the spirit of the age, in order to fly into steam and be set to lifting trip-hammers or turning spindles. They are sleeping now like our city in violation of the law of the nineteenth century."

This sermon was distributed throughout the city in printed form and its logical conclusions attracted a great deal of attention.

Early in the month of January, 1863, the city council committee was appointed (see appendix) to make surveys, obtain estimates, to inquire into the feasibility and cost of the operation, and to obtain the necessary authority from the general court. Three hundred dollars were placed at the disposal of this committee.

The professional services of City Surveyor George A. Briggs, and Professor George I. Chase of Brown university, were engaged to make the necessary investigations.

The act, for supplying the city of New Bedford with pure water, was passed by the legislature on April 18, 1863. It provides for commissioners to construct the works, gives power for the taking of lands and water rights, authorizes the issue of bonds, gives authority for the city council to organize a department with full power for management, and makes it the duty of the council to establish water rates. It contained a referendum clause, to the effect, that all its provisions would be void unless accepted by the voters within one year.

It was desirable that the reports of the experts should be distributed to the voters in printed form, previous to the taking of the vote. Meanwhile the experts consumed the larger part of a year with their investigations, and their reports were not printed for distribution until March, 1864.

Professor Chase's report concerned the physical properties of the Acushnet valley; the results determined by the chemical analysis of samples of water, and the influence likely to be exercised by decaying vegetation on margin and bottom of reservoir site. He also reports on samples taken from several wells within the city limits all of which were found to be inferior in every way to that of the Acushnet supply.

One of these samples was taken from the well supplying Mayor George Howland's residence on Sixth street. He was so aggressive in opposing the introduction of water and was so positive of the purity of his well that Mr. Crapo finally prevailed upon him to allow Professor Chase to collect a sample for analysis so that a comparison might be made. Mr. Howland consented and this was done and Mr. Howland was visibly embarrassed when Professor Chase reported the well to be overloaded with chlorine and the water to be of a very suspicious quality. Hereafter Mr. Howland had little to say concerning the introduction of water.

His aggressive opposition ceased and when the water finally flowed through his street he promptly applied for its introduction into his house.

Mr. Briggs's report was devoted to estimates of cost based upon proposition of a storage reservoir to be located as later constructed, from which a brick conduit was to bring the water to the city by gravity, leaving out all calculations for pumping and distribution. He also reports adversely upon the proposition for obtaining a supply from the Burgess swamp, situated west of Cedar and north of Kempton street.

The distribution of these reports in printed form to the voters was shortly followed by an acceptance of the legislative act for supplying the city of New Bedford with pure water. This vote was taken on April 14, 1864. Yeas 781, nays 594.

The work had now so far progressed that its final accomplishment seemed assured. This was the view which Mayor Howland expressed in his inaugural address of January, 1864.

No progress was made during the year 1864, other than the appointment of the city council committee.

In the inaugural address of January 2, 1865, Mayor George Howland, Jr., very briefly alludes to the subject, he calls attention to the acceptance of the act by the voters in the previous April, and adds:

"The act is therefore within the control of the city to be carried into effect at such time as the city council may determine."

The full city council, together with Mr. McAlpine and other invited guests made a visit to the location of proposed storing reservoir and the Middleboro ponds, in April, 1865. There were some happenings upon that trip that have never been forgotten. A heated discussion occurred between Loum Snow and James B. Congdon as to capacity of the flow at the Ansel White dam, Mr. McAlpine's statements were questioned by Mr. Snow and upheld by Mr. Congdon. All this afforded amusement for the others.

Mr. Carpenter had been previously commissioned to provide a dinner for the party at his tavern in Lakeville, bordering on Assawamsett pond. (This was later the Eben Perry place.) He took great pains in providing an attractive spread. After the entire company were seated at the table, a silence came over the group out of respect to a number of Friends who were of the party. Just at this moment, Mr. Carpenter, who was standing at the opposite side of the table from the kitchen door which was

open, yelled in stentorian tones to Mrs. Carpenter, who was within the kitchen, inquiring in language strongly emphasized by profanity, what she had done with the chicken fixings and other things. The effect was that of a bomb. George F. Kingman says that he immediately grabbed Mr. Carpenter and told him to stop all such talk. Some were terribly shocked, others amused. It is said that one good Friend lost his appetite with that blast, but my good friends George F. Kingman and David B. Kempton always declared that it had an appetizing effect upon them.

On July 20, 1865, a joint committee of the city council was appointed to make further investigations (see appendix). This committee entered upon the work in a most vigorous manner. They retained the services of Hon. William J. McAlpine, an hydraulic engineer of national reputation, to be assisted in his work by Professor George I. Chase and George H. Briggs, city surveyor. The report of the committee in October, 1865, includes the reports of Professor Chase and Mr. McAlpine. The report of Professor Chase is largely devoted to the analysis of samples. Mr. McAlpine's report was a remarkably able document. He examines with clearness and fullness, every phase of the question. He considers and presents estimates for taking supplies from the following sources:

- 1—A reservoir to be formed upon the Acushnet river by the construction of a dyke at Dog Fish bar.
- 2—The Acushnet which was later constructed.
- 3—A modification of the Acushnet.
- 4—Long Pond.
- 5—Turner's Mills.
- 6—Smith's Mills.

He considers the advantages and disadvantages in each of these projects and gives the reasons which induced him to recommend for adoption, the Acushnet plan, substantially as submitted by Mr. Briggs.

It is interesting now to recall the severe criticisms that were made at this time by those who declared Mr. McAlpine's comprehensive plan to be positively reckless. One factor proposed Tripp's brook valley (Burgess swamp) as the source of supply, and the foolishness of this project is shown by the fact that the stream mentioned was some years later converted into a sewer known as the Tripp's brook sewer. Another scheme was to draw upon the supply of Fresh river at Smith's Mills, and that was regarded with favor by many. Others

preferred Turner's pond. Tobey's pond, now known as Sassaquin, was suggested as a good source, but investigation found it to be lacking in the essential qualities necessary for a water supply. It was even proposed to dam the Acushnet river at Dog Fish bar. Those who proposed this scheme admitted that the water might be brackish, but what of that, it was needed only for manufacturing purposes and it did not matter. We cannot now understand how some of these schemes, which today seem positively ridiculous, could ever have been seriously considered.

The reports of the committee was signed by Warren Ladd, chairman. The committee were not united in this recommendation. Four of the number, Joseph Knowles, Matthew Howland, Charles H. Gifford and David B. Kempton, submitted what they termed the minority report. They gave great credit to Mr. McAlpine for the able manner in which he had investigated the subject, and gave full credence to his statements and conclusions. They approve of all that portion of the undertaking that sets forth the Acushnet as a source of supply with the brick conduit to the receiving reservoir in the north part of the city. They recommend for adoption the plan proposed by Mr. McAlpine as the modified Acushnet plan.

The minority report was adopted by the city council on Nov. 30, 1865. The modified plan contemplated the use of the Ansel White dam and pond and conveying water by brick conduit to a receiving reservoir in the city, from whence it was to be distributed on as high a grade as it would naturally flow.

On the same day an ordinance was passed "to regulate the proceedings of the commission for supplying the city of New Bedford with pure water." The body was designated "the New Bedford Water Commissioners" in accordance with the provisions of the act of the general court.

William W. Crapo, Warren Ladd and David B. Kempton were chosen water commissioners for a term of two years as provided for by the legislative act. Messrs. Crapo and Ladd had been warm friends of the project from its inception. Mr. Kempton at first was very skeptical as to the feasibility of the introduction of water. He represented the conservative sentiment of the community. This commission became a very happy and harmonious family and each did good work. As Mr. Kempton became better acquainted with the situation

his opinion yielded to the proofs and arguments in favor of the work as it was finally constructed.

The board of water commissioners was organized on December 13, 1865. Mr. Crapo, chairman, and James B. Congdon, clerk. Shortly after organization George A. Briggs was appointed chief engineer and William J. McAlpine was retained as consulting engineer.

The city council committee for 1866 was appointed (see appendix). Mayor John H. Perry briefly alludes to the water question in his inaugural of January 1, 1866.

In less than two months we find the water commissioners pleading with the city council for a change in the plan. They recommend that the Wilson dam should be erected at once, thus avoiding the delay contemplated by the minority report. The council authorized such changes in the plan as the commissioners may deem most expedient and gave them authority to exercise their own discretion as to the extent of grubbing, excavating and dredging the proposed reservoir.

The growth and decay of microscopic organism in water supplies, do an immense amount of mischief and is the source of constant annoyance to those in charge. No natural water which is exposed to light and air is ever entirely free from these green dust-like plants known as algae.

"The number of individuals is almost infinite and under favorable conditions they increase with great rapidity. Their appearance gives a decidedly green or greenish-yellow tinge to huge bodies of water and their death and decay often cause considerable offence to the sense of smell, of those in the vicinity and to the sense of taste to those obliged to drink the water."

While the plant is alive and growing there is little taste or odor given to the water, hardly noticeable if the water is iced. When the plants enter into the first stage of decay, the water acquires a peculiar taste and odor. Light and a certain degree of temperature are required for a normal growth, and the decay often takes place in the mains and service pipes, it will not infrequently happen that the water in a reservoir or pond will have almost no taste while the water delivered to consumers will be decidedly unpleasant. There is one species known as the "anabena" that is particularly dreaded by all water officials. That particular plant flourishes in the Acushnet reservoir and all water takers realize its effect upon



the water. The "spongilla" is also abundant there and it is always an unwelcome visitor.

The water commissioners fully realized the possibility of trouble from the causes just described and the subject gave them much concern. Professor Chase in his earliest report had emphasized the importance of removal of all vegetable deposits from margin and bottom of proposed reservoir to insure acceptable tasting water at all times. Mr. Briggs had roughly estimated the cost of this work known as grubbing and cleaning, to be \$100,000. This was so large a sum that the commissioners hesitated. They visited kindred works where similar conditions existed. This included visits to Hartford, New Britain and New Haven, Conn. They visited the New Britain reservoir with F. T. Stanley, who had charge of its construction. They consulted with Professor B. Silliman, Jr. at New Haven, a noted water supply expert of that day. The consensus of opinion which they obtained led them to believe that an extensive grubbing and cleaning process could safely be omitted. That if the reservoir were maintained at a high water level for a few years an offensive odor and taste would probably appear occasionally during the first year, but that the annoyance would diminish year by year until it entirely ceased.

This grubbing operation somehow seemed to be a subject which caused many citizens to view it in a whimsical light and when the commissioners returned from their Connecticut journey they received the attention of the know-it-all critics of that day, in the form of newspaper squibs and back-store gossip.

James B. Congdon, then clerk of the commissioners, added to the fun by contributing the following, which he styles an impromptu:

#### THE WATER BOARD ON A BENDER.

Behold the Board on a Bender bent.

And gravely chat upon pipes, brick and mortar—

As forth to the land of the Blue-Laws they went,

To taste of the tippie and talk about water.

And safe returned from their venture-some trip—

Each fault-finding tax-payer quietly snubbing—

When charged with an overlarge outlay for flup—

Each dollar for grub, saved a dollar for grubbing.

The operations up to November, 1866, were carried out upon the lines of the limited plan adopted with the

exception of change stated in previous paragraphs by which the supply to the citizen was to be confined to those portions of the city which could be reached by gravity.

On November 20, 1866, the water commissioners call the attention of the council to the importance of making provision for the distribution of the water. The plan recommended by Mr. McAlpine would include an engine, engine house, a force main, a distributing reservoir and ten miles of distributing mains, in addition to the work that they were authorized to construct. The necessary authority was granted by the council on December 20, 1866. This change in plan nearly doubled the importance and extent of the work and involved a much larger expenditure than was contemplated by the plan first adopted by the council.

Mayor John H. Perry in his address to the city council January 7, 1867, reviews the progress of the work.

We now have the enterprise well underway upon the lines on which it was later finished. It is not the purpose of this paper to deal with the constructive parts in detail, but merely to outline the history in a general way.

The storing reservoir was completed in July, 1867, when the gates were closed and the reservoir rapidly filled. On February 15, at ten o'clock in the forenoon, Thomas Hersom, the well known soap manufacturer, was driving to the city from Long Plain, when crossing the Acushnet river bridge at Leonards, he saw a flood coming down the valley. Realizing the dam had given way he drove post-haste to the city and notified Mr. Ladd of the casualty; stopping at each mill site on the way and advising the owners of the coming flood. Beyond the damage done to the dam itself, and the destruction of the highway bridge at Leonards, little injury was sustained by the sudden rush of so large a body of water. The break was caused by the action of water upon the quicksand upon which the foundations of gate house and dam rested. Repairs were made during the following summer and fall.

Andrew G. Pierce was mayor in 1868 and 1869. In both of his inaugural addresses he enlarges upon the progress of the work.

Under the provisions of the legislative act, the terms of the commissioners expired November 30, 1867. An ordinance was passed under which the old board was re-elected for two years or until completion of work.

A brief description of the work as completed is as follows: A storing reservoir had been artificially formed by the construction of a dam across the valley of the Acushnet about seven miles north of the centre of the city and half a mile down stream from the Ansel White dam. The high water level of this reservoir is elevation 40. Invert of conduit is elevation 30. Area of water shed 5.1 square miles. Area water surface full reservoir 300 acres, (estimated contents) 300 million gallons, allowing 600,000 gallons per day per square mile, its full capacity may be placed at 3,000,000 gallons per day through the dryest year.

An egg shaped brick conduit connects this reservoir with the receiving reservoir on Coggeshall street. This conduit is three feet horizontal, four feet vertical. Invert at storing reservoir elevation 30 feet, at receiving reservoir, elevation 26.82 feet. Grade six inch per mile. Capacity 7,000,000 gallons per 24 hours with full reservoir.

Receiving reservoir water area 1.1 acres, elevation high water 30 feet,

depth 12 feet, capacity 3,000,000 gallons.

The Purchase street pumping station was equipped with notable pumping engine especially designed by Mr. McAlpine, by means of which water was pumped from the receiving reservoir to the Mt. Pleasant reservoir on Mt. Pleasant street. The water surface of Mt. Pleasant reservoir has an area of 3.1 acres, elevation high water 154.8, depth 18 feet, capacity 15,000,000 gallons. From this reservoir the water flows by gravity through the distributing mains of the city.

By the end of 1870, 17½ miles of distributing mains had been installed. Of this number a little over 9½ miles were of the wrought iron cement lined type of pipe all of which has since been replaced by cast iron pipe.

George A. Briggs was assisted in his engineering operations by Engineers George B. Wheeler, William B. Sherman, Roswell E. Briggs and Israel C. Cornish.

The following table will illustrate the growth of the supply:

Year	Population	Mileage of Distribution Mains	No of Services	No. of Meters	Average Daily Cons. in Gals.	Gals. per Capita
1870	21,320	17	553		329,375	
1875	25,895	35	2311	9	1,136,835	
1880	26,845	42½	3798	22	2,014,200	
1885	33,700	50½	4965	67	2,876,167	85
1890	41,500	62½	6394	123	4,066,200	98
1895	56,300	76½	8027	254	4,711,866	84
1900	62,500	92½	9280	1429	6,320,542	101
1905	75,000	104½	10477	2434	7,093,187	95
1910	99,000	137	12769	6106	7,864,323	79
1914	108,000	162	14407	13788	7,432,137	69

Water was delivered through the distributing pipes for the first time on November 25, 1869. On the afternoon of that day a display of hydrant streams was made on Purchase street between Union and Elm streets.

Application No. 1 for a service supply was made by William J. Rotch for his residence on Orchard street at the head of Madison street.

Application No. 2 was made by Eliza Thornton 98 Cottage street and was the first service installed October 27, 1869.

The total number of applications since made has been over 16,000.

The term of Water Commissioners expired November 30, 1869 when the Acushnet Water Board was created by ordinance for the care and management of the New Bedford Water Works. This board consisted of five members the same as today, three at large with the mayor, George B. Richmond and C. M. Peirce, Jr.

president of the common council, ex officio. Messrs. Crapo, Kempton and Ladd became the first members at large, and George A. Briggs was elected the first superintendent.

In 1832 the name Acushnet Water Board was changed to that of New Bedford Water Board.

In 1871 George A. Briggs resigned as superintendent and Israel C. Cornish was elected his successor.

The financing of this enterprise was lightened by the assistance which was supplied by the use of the Sylvia Ann Howland bequest.

The one hundred thousand dollars which was bequeathed in aid of the introduction of water was at once applied in meeting construction expenses.

The bequest of the second one hundred thousand dollars which constitutes the educational and Free Public Library fund was invested by the city council in the cost of the water works, the city engaging to provide

the annual income and apply same for the purposes set forth in the will.

The city council's appropriations to December 1, 1870 was \$700,000. This includes the \$200,000 bequeathed by Sylvia Ann Howland which deducted leaves \$500,000 as the amount of water bonds issued up to that time.

After the storing reservoir was finished and filled it was found to be impossible to keep the water level at high water mark during the summer months. It settled two or more feet each year and in 1886 it shrank 7 feet. This of course exposed large areas of vegetable deposits to the action of the blistering summer sun. Periods of offensive tasting water came altogether too frequently and there was much complaint on the part of the takers.

The longest and most intense visit was in 1885 when the causes were thoroughly investigated by Professor William Ripley Nichols who advised aeration and filtration method treatment but thought that a direct connection with Little Quittacus pond might result in obtaining better water.

The consumption was now fast outgrowing the capacity of this reservoir and the board knew that more water must soon be obtained.

The next year the city came very near facing a water famine. It was the closest call we ever had when in October the reservoir level allowed a depth of less than three feet to enter the conduit.

A hurried connection was made with Little Quittacus pond. After that supply had been provided it was possible to maintain the reservoir level near that of high water throughout the summer. It also improved the color and the periods of bad taste were of less intensity and not as frequent. This reservoir was abandoned for regular use on July 10, 1899.

One point should be emphasized, the storing reservoir water was a pure, safe and healthy water, even in the days when its taste was unpleasant. At such times those in charge fairly earned their honor by the patience which they exercised in listening to the complaints that came from every direction. The people were very restive under the annoyance that it was impossible to avoid, and the assurance of the highest authorities that there was nothing harmful or noxious in the water did little toward removing their impatience. During the worst epidemic it was my custom to have a tank of stiff lemonade mixed each morning and placed in

my outer office. The lemon juice killed the musty taste of the water. When a complainant entered and stated his trouble he was invited to sample the water furnished to the office, he was told that it did not seem to have a disagreeable taste. He was apt to be cautious about the first cup, after which he partook freely and departed in a more comfortable frame of mind than he possessed when he entered.

Within a year after the introduction of water a large reinforcing main was started from the distributing reservoir, south through the Cedar street district, to overcome the loss of pressure which existed in that area.

In April, 1872, George B. Wheeler was elected superintendent in place of Israel C. Cornish, who resigned. During Mr. Wheeler's administration, a second pumping engine (Worthington, three million) was installed in the Purchase street pumping station, and the stand-pipe was erected on Mt. Pleasant street opposite the distributing reservoir.

In April, 1877, William B. Sherman was elected superintendent and during his administration many improvements were made.

During that year the reinforcing main of 1872 was continued in Ash, Bedford, Borden and Grinnell streets to Water street.

In the early 70's the water board adopted the policy of maintaining the Acushnet storing reservoir at a reduced level in the early part of each year, hoping thereby to diminish the periods of objectionable tasting water. This nearly resulted in a water famine in November, 1877, when the reservoir level settled to 68 inches below high water. This caused much anxiety and it was deemed wise to move in the direction of obtaining additional water from either Long or Little Quittacus ponds.

During the winter of 1877-78 Mr. Sherman made extensive surveys to locate possible routes from both ponds.

Upon April 13, 1878, the General Court passed an Act authorizing the City of New Bedford, the use of water from either pond under certain restrictions.

On August 1, 1878 the city council authorized the water board to use its discretion in the selection of ponds, and to take water therefrom whenever they deem it expedient.

On November 12, 1878 the water board voted in favor of Long pond as the source of supply. Mr. Sherman's plans called for an open canal connecting Long pond with the head waters of the Acushnet river. The

water level of Long pond is ten feet higher than that in the storing reservoir. There was to be a controlling gate house at its entrance at Long pond. Estimates of cost were prepared. Plans were made and all necessary documents filed. The required land was taken and settlements were made with the owners thereof, and all preliminary work was completed. This action left the work in condition to be taken up and completed at any time when the water board considered it expedient. Nothing further was ever done. The city's rights here still exist.

In 1878-79 a new boiler house and coal shed were erected at the Purchase street pumping station, replacing smaller structures which were demolished, and two new boilers were installed.

In 1879 James H. Hathaway was elected city treasurer in place of James B. Congdon, who declined a re-election on account of ill health; a little later Mr. Hathaway was elected water registrar. Mr. Congdon had been identified with the works from its very beginning.

William B. Sherman resigned as superintendent and clerk of the board on June 9, 1881 and R. C. P. Coggeshall was elected to fill the vacancies.

In providing a distributing system, it is a recognized practice among hydraulic engineers that the largest takers (manufacturing and fire protection) should determine the size of the distributing mains. The domestic draught in any given area, say a quarter of a mile square, is but a small fraction of the possible manufacturing or fire draught. The domestic draught is distributed with approximate uniformity over its entire area. Pipes for domestic supply alone might start with main arteries and taper down to small veins at the extremity of the area. Manufacturing and fire protection often demand all the water a system can supply at one point, and this point may happen to be anywhere. It is in one case distribution and in the other concentration. In planning works it is of the utmost importance to be able to concentrate the full supply at the point where it is likely to be needed.

When the water commissioners constructed the works they provided a distributing system for the city as it then existed with its 21,000 inhabitants. They did not provide for concentration at the extremities for the reason that nothing was then in existence that warranted their so doing. The only large mill in the city at that

time was the Wamsutta, which had its own water supply from Rodman's pond, so they were not likely to require large amounts from the city mains. It was impossible to forecast the future of the green fields and still pastures which then existed in every direction at the extremities of the city, and no one suspected the tremendous textile activity which came later. The Potomska mills came during the 70's for which the supply was adequate.

By 1880 the city had gained over 6000 in its population and both the Wamsutta and Potomska had built additional mills. Conditions rapidly changed in 1882 with the construction of the Acushnet, Grinnell and Onoko mills. Let me say right here that New Bedford differs from other large mill centres in this respect. Fall River factories draw upon Watuppa lake; Lowell, Lawrence and Manchester upon the Merrimac river, Holyoke upon the Connecticut river, and the public water supplies of those cities supply only a small proportion of the manufacturing water. The mills of New Bedford have no auxiliary fresh water supply, so every drop must be obtained from the city mains. In 1882 the water board was confronted with four strong petitions from different sections of the city at the same time. The drop in pressure and lack of supply was proving a serious impediment to the new enterprises. The water board well knew that to provide satisfactory deliveries required more than the mere enlargement of certain pipes. The maximum daily consumption was hovering around 4,000,000 gallons. There was only one pump (McAlpine) to provide this supply and that was becoming worn after thirteen years' service. More pumping facilities were badly needed. A special appropriation by the city council enabled the water board by 1886 to place the pumping capacity upon a more reliable basis than had hitherto existed. This work consisted in providing new pump wells; new connections with the receiving reservoir; an addition to the engine house; a new five million Worthington pump; a new force main to the Mount Pleasant distributing reservoir and the beginnings of a twenty-inch reinforcing main which in a few years continued through State, Pleasant, William and Sixth streets to Grinnell street. From that time to the present, more or less of larger sized pipe has been laid each year, replacing the small mains of earlier days, especially the wrought iron cement lined pipe. A great deal of this work has been required to

provide the concentration ability needed by the new mills that have appeared during the last thirty years.

The energetic members of the water board of these days were George R. Stetson, William N. Church and David B. Kempton. For many weeks much of their time was required and freely given and the work was faithfully executed.

The consumption of the summer of 1886, as has already been stated, was beyond the capacity of the storing reservoir to supply. The water level by October had dropped over seven feet and the city with all its new industries was facing a problem. A quick connection was made with Little Quittacas pond by cleaning out what was known as the Dry Swamp Ditch. This ditch is said to have been dug by Ansel White about 1830 in an attempt to obtain more water for his mill pond. It had not been in use for many years and had completely filled up with vegetable decay. After this connection had been completed it was possible to maintain a well filled storing reservoir throughout the summer months for many years.

On March 24, 1887 the Massachusetts general court passed an act enabling the city to use the water of Little Quittacus Pond.

In 1890 a new chimney and a large addition to coal shed was constructed at the Purchase Street Pumping Station.

In 1892 a "Belpaire" type of boiler replaced two boilers which were worn out. The old chimney was removed and a meteorological observatory was erected upon the location.

In 1893 it was necessary to deepen and enlarge the dry swamp ditch.

We have now arrived at a critical point in the history of the Acushnet supply. The population has passed the 55,000 mark. The city is spreading out in every direction. Building has invaded large areas of high elevation to supply which will require the construction of a high service system. The amber colored water of the Acushnet supply with its marked periods of disagreeable taste and odor is a source of criticism. The conduit must at times be strained to its utmost capacity to satisfy the consumption; the capacity of the Mount Pleasant reservoir is not equal to modern requirements. An increased pressure for fire protection purposes has become very necessary. In short the Acushnet supply is now worn out and in many respects outgrown.

It was perhaps fortunate that so many defects in the original system appeared at the same time, otherwise the board would have probably yielded to the great temptation to patch up the old system.

As they came to appreciate these many shortcomings they decided to submit the whole question to experts for study and recommendations. Messrs. George E. Rice and George E. Evans were employed to do this work, which occupied several weeks. They finally submitted an elaborate report in which every phase of the question was considered and discussed. They presented alternative plans, including the possibilities of patching up the old system with the addition of a separate system for high service supply; but in the end they strongly recommended the adoption of an entirely new plan which later was accepted and constructed.

It is not the purpose of the writer to enter into the history of the "Further Supply" at this time. That will be left for consideration in a later paper.

The worn-out Acushnet plant continued to supply the city during the period of the "Further Supply" construction. On three occasions its capacity was taxed to its utmost limit proving to the satisfaction of the water board that the construction of the new supply had been begun none too soon.

The transfer of supply from the old to the new system was made at 6 o'clock on the morning of July 10, 1899.

Since its abandonment, the old system has been held intact as a reserve supply. Its pumps have since been occasionally operated allowing certain repairs to be made. Should occasion require it is possible to pump a portion of the daily supply through these pumps.

The growth of a city is always intimately connected with its water supply. It does not require many years for a city to outgrow a well conceived plan. The early water commissioners thought that they had planned for at least fifty, and probably for 75 years. The plant lasted just thirty years. Exactly the same length of time that the original Cochituate aqueduct unaided continued to supply Boston. The original Croton aqueduct of New York lasted 42 years but was badly strained in the latter part of its career. Thus we see that our early commissioners were fully as far seeing as those in charge of similar affairs in larger cities.

The board of water commissioners had a hard time of it during the con-

struction period. The disposition of the owners of land required was to hold same at prices far in advance of its real value. This made it difficult to effect settlements. They were the targets of criticism and ridicule and on one occasion an individual advertised and gave a ridiculous lecture in Liberty hall upon "The Rise and Fall of the Mighty Water Works of New Bedford." At the time of the construction of the further supply 1894-98 Mr. Kempton was a member of the board. He had the satisfaction of being one of the construction agents of both works.

The water board of the late 90's were often severely criticised and Mr. Kempton often referred to the days when the original commission was under fire and would say: "I have an impression that 25 years from now there will be as little criticism of the work in which we are now engaged and that there will be just as much commendation bestowed upon this board, as is now freely given to William W. Crapo, Warren Ladd and David B. Kempton for their service of 25 years ago."

From the date of the introduction of water in 1869 to the present time no one subject has been the theme of more controversy than that of water rates.

The first schedule was passed by the city council on January 1, 1870. This list was based upon figures similar to those adopted in other water departments throughout the state. The first faucet was placed at \$5 and the maximum charge for one family was \$22. For manufacturing purposes the charge was 15 cents per thousand gallons.

These charges were deemed excessive by many and agitation resulted in a reduction of fifty per cent in all flat rates, while the manufacturing rate was placed at 2½ cents per thousand gallons. This revision took effect July 1, 1872.

The Sylvia Ann Howland bequest had its influence in determining the low manufacturing rate.

In 1875, Mr. Crapo, who was about to begin his congressional career, sent a letter to Mayor Abraham H. Howland, Jr., resigning his membership in the water board. In that letter he reviews the past activities of the board and expressed himself in sympathy with a readjustment of the water rates. I quote a few paragraphs: "The water rates as now established, pay the expenses of maintaining and operating the works, but reimburse a portion only of the yearly interest paid on the water bonds. The deficiency is met by general taxation, which falls

upon our citizens and corporations, irrespective of their use of the water.

Those who have no benefit contribute toward the payment of this interest equally with those who enjoy them.

The consumption of water in New Bedford is now so extensive that if the moderate charges made in other New England cities were established here, it would enable this department to be self-sustaining."

Later he expressed the opinion that the manufacturing interests should have the benefit of the income of the Sylvia Ann Howland fund.

Mr. Crapo's words attracted much attention. The water ordinance required a revision of the water rates in 1877. On May 3rd of that year the city council established rates in which no important change was made from those heretofore in force.

On May 1st, 1878, the water board sent a communication to the city council strongly recommending a revision of the rates in the direction of placing the department upon a self-sustaining basis. The charges recommended were placed at about the same figure as obtained in other New England cities. Metered water was placed at thirty cents per thousand gallons. This measure was killed by the city council.

Beginning at this time and continuing for many years, the question of water rates was a veritable fire-brand for violent controversy between three factors, viz.: free water advocates, those who desired no change, and those who wished to see a self-sustaining department.

Early in the year 1883 the city council requested the water board to prepare a revised tariff of rates and submit same with recommendations that they be adopted as an ordinance. This was done but its passage was defeated by the city council.

Exactly the same thing was repeated in 1884 and again in 1885 when the agitation was the most bitter struggle of the many attempts to revise the rates. This was largely caused by an attempt to obtain a legislative bill authorizing the city of New Bedford "to create from its receipts from the price of the rent of water, a sinking fund for the payment at maturity, of the water bonds of said city now outstanding."

An increase in water rates would have been required to meet this condition. When this was realized public meetings in protest to this bill were held and the discussions were long and varied. I remember two items that were humorous but convincing. One citizen declared that water should be

free as the air we breathe, whereupon Benjamin Reed of the Standard force replied, "So it is out in the Ansel White pond. It is your privilege to go there and take it by the pailful, and bring it home, but I suspect that by the time your wife asked for the second pailful you would be willing to pay a good price for a faucet in your house rather than repeat the journey."

Another reply was to this effect, "It is true that the air is free to all, but how free would air be if you had to bring it seven miles underground in a pipe and then pump it into a reservoir."

The measure was again killed and water rates were not considered again for twenty years.

Meanwhile a large number of careful water takers had discovered that by proper care a saving over the fixture rate could be effected by the use of meters. They passed the word along and the sentiment in favor of metered supply was soon in ascendency. Thus the interest in fixture charges was passing in favor of the policy of one unit price to all. As long as the manufacturer was charged 2½ cents per thousand gallons there was more or less discontent among those who were obliged to pay the fifteen cent rate, but when the manufacturing rate was by the ordinance of 1905 placed at the same figure, while not pleasing to the manufacturer it proved satisfactory to all others. The manufacturers in turn were discontented when by ordinance of 1906 a five cent rate was allowed to one mill. The agitation which followed resulted in the ordinance of 1908, which repealed the five cent rate and placed all manufacturing rates at 10 cents per thousand gallons, where it now remains. The ordinance of 1909 provided for the metering of all supplies, the abolishment of fixture rates automatically with the installation of meters. All supplies in this city are now measured through about 14,000 meters.

The joint committees of the City Council upon Water Works and Water Supply from the beginning have been:

1860

Aldermen, John Hunt, Nathan Lewis, William H. Reynard. Councilmen, Frederick S. Allen, Eben Perry, Edmund Anthony, Nathan E. Hammett.

1861

Mayor, Isaac C. Taber. Aldermen, Nathan Lewis, William H. Reynard.

Councilmen, Cornelius Howland, Frederick S. Allen, John H. Perry, George R. Taber.

1862

Aldermen, Warren Ladd, William H. Reynard. Councilmen, George Howland, Jr., Edward T. Taber, J. A. Brownell, Charles M. Pierce, Jr.

1863

Aldermen, Warren Ladd, John H. Perry. Councilmen, Charles H. Taber, Caleb Hammond, Elijah H. Chisholm, George F. Kingman, Charles H. Gifford.

1864

Mayor, George Howland, Jr. Aldermen, Warren Ladd, Eben Perry. Councilmen, William G. Taber, L. M. Kollock, George F. Kingman, J. P. Knowles, Jr.

1865

Aldermen, Warren Ladd, Joseph Knowles, Cornelius Howland. Councilmen, Charles H. Gifford, David B. Kempton, John W. Macomber, Elijah H. Chisholm, Caleb Hammond.

1866

Aldermen, George G. Gifford, George F. Kingman. Councilmen, Andrew G. Pierce, John W. Macomber, John P. Knowles, 2nd.

1867

Aldermen, George G. Gifford, George F. Kingman. Councilmen, Andrew G. Pierce, Horatio Hathaway, William Gordon, Jr.

1868

Mayor, Andrew G. Pierce. Aldermen, George H. Dunbar, Elijah H. Chisholm. Councilmen, Horatio Hathaway, William Gordon, Jr., John W. Macomber.

1869

Mayor, Andrew G. Pierce. Aldermen, Joseph H. Cornell, Elijah H. Chisholm. Councilmen, Horatio Hathaway, James C. Hitch, John H. Mackie.

1870

Aldermen, George G. Gifford, Isaac C. Sherman. Councilmen, John H. Mackie, James C. Hitch, William T. Soule.

1871

Aldermen, George G. Gifford, Samuel C. Hart. Councilmen, John H. Mackie, William H. Sherman, Abram T. Eddy.

1872

Aldermen, William Bosworth, Samuel C. Hart. Councilmen, Charles M. Pierce, Jr., Joseph G. Dean, Loum Snow, Jr.

1873

Aldermen, Frederick S. Allen, Andrew G. Pierce. Councilmen, James H. C. Richmond, William J. Norton, Samuel Dammon.

1874

Aldermen, Joseph R. Read, William J. Kilburn. Councilmen, Augustus Swift, Hiram W. Wentworth, John H. Rounds.

1875

Aldermen, James D. Thompson, George R. Stetson. Councilmen, William A. Beard, Rufus A. Soule, George H. Freeman.

1876

Aldermen, Jonathan C. Hawes, George R. Stetson. Councilmen, John P. Taylor, Lemuel T. Terry, John Wing.

1877

Aldermen, George Howland, Jr., Henry T. Wood. Councilmen, Charles W. Coggeshall, Benjamin Dawson, John E. Murphy.

1878

Aldermen, John Hastings, Shearjashub T. Viall. Councilmen, Albert G. Stanton, Walter Clifford, Francis C. Terry.

1879

Aldermen, Otis A. Sisson, William H. Sherman. Councilmen, Morgan Rotch, Simeon Hawes, Loum H. Faunce.

1880

Aldermen, John Wing, John McCullough. Councilmen, Morgan Rotch, Ezekiel C. Gardner, Loum H. Faunce.

1881

Aldermen, James E. Stanton, Isaac N. Marshall. Councilmen, Hiram B. Coffin, John A. Russell, Philip C. Tripp.

1882

Aldermen, Thomas Donaghy, Dana B. Humphrey. Councilmen, Phineas White, Henry Howard, William E. Clarke.

1883

Aldermen, Stephen W. Hayes, James C. Stafford. Councilmen, Henry Howard, William E. Clarke, Orlando F. Bly.

1884

Aldermen, Andrew B. Hathaway, John P. Taylor. Councilmen, Orlando F. Bly, Frederick Swift, Thomas Boardman.

1885

Aldermen, Edward T. Pierce, Wendell H. Cobb. Councilmen, William A. Church, Arthur E. Perry, Robert Snow.

1886

Aldermen, Edward T. Pierce, Wendell H. Cobb. Councilmen, William A. Church, Robert Snow, John F. Canny.

1887

Aldermen, Edward T. Pierce, Wendell H. Cobb. Councilmen,

Stephen D. Pierce, Frank E. Sawin, James W. Kane.

1888

Aldermen, Stephen A. Brownell, Wendell H. Cobb. Councilmen, James W. Kane, Andrew G. Pierce, Jr., William N. Church, Jr.

1889

Aldermen, Edward T. Pierce, James Delano. Councilmen, John J. Howland, Andrew G. Pierce, Jr., William N. Church, Jr.

1890

Aldermen, Charles F. Shaw, James Delano. Councilmen, Elliot D. Stetson, William A. Church, George W. Parker.

1891

Aldermen, Wendell H. Cobb, Stephen H. Brownell. Councilmen, George W. Parker, Martin P. Fichtemayer, Isaac L. Ashley.

1892

Aldermen, William H. Rankin, Stephen H. Brownell. Councilmen, Stephen B. Wilbur, Charles T. Luce, James Slater.

1893

Aldermen, Oliver W. Cobb, George F. Brightman. Councilmen, William T. Taylor, Edward G. Reynolds, Martin H. Sullivan.

1894

Aldermen, George F. Brightman, Arthur E. Perry. Councilmen, Harry B. Wood, Henry T. Ashley, Lewis E. Milliken.

1895

Aldermen, John H. Barrows, William R. West. Councilmen, Harry B. Wood, Charles H. L. Delano, James C. Platt.

1896

Aldermen, John H. Barrows, J. Arthur Taylor. Councilmen, Edward G. Reynolds, John D. Wilson, Henry T. Ashley.

1897

Aldermen, Henry P. Jenney, Samuel C. Hunt. Councilmen, Joseph Magnant, Frank A. Habicht, William Bamford.

1898

Aldermen, Henry P. Jenney, Charles H. Brownell. Councilmen, Joseph H. Sullivan, Ernest Findelsen, Abbott P. Smith.

1899

Aldermen, Henry P. Jenney, Charles H. Brownell. Councilmen, Ernest Findelsen, Joseph H. Sullivan, Weston C. Vaughan, Jr.

1900

Aldermen, Henry P. Jenney, Charles H. Brownell. Councilmen, Ernest Findelsen, Robert S. Gorham, John Hannigan.

1901

Aldermen, Henry P. Jenney, Charles H. Brownell. Councilmen, Patrick H.



Reardon, Robert S. Gorham, Robert L. Baylies.

1902

Aldermen, Henry P. Jenney, Charles H. Brownell. Councilmen, Robert L. Baylies, Patrick H. Reardon, Stanislaus J. Desautel.

1903

Aldermen, Henry P. Jenney, Charles H. Brownell. Councilmen, Joseph H. Handford, John V. Thuot, Abbott P. Smith.

1904

Aldermen, Henry P. Jenney, John Hannigan. Councilmen, Joseph H. Handford, John V. Thuot, Lewis E. Milliken.

1905

Aldermen, Charles H. Adams, Frederick A. Dammon. Councilmen, Samuel Whitlow, George J. Allen, Charles S. Ricketson.

1906

Aldermen, Ernest A. Dionne, Frederick A. Dammon. Councilmen, Henry J. Gurl, Charles A. McAvoy, William K. Lees.

1907

Aldermen, Samuel Higham, Joseph Chausse. Councilmen, Joseph R. Glennon, J. Ernest Dionne, John Halliwell.

1908

Aldermen, Francis P. Washburn, Joseph Chausse. Councilmen, Joseph Morency, Samuel T. Rex, Clarence H. Brownell.

1909

Aldermen, Samuel F. Winsper, Joseph Chausse. Councilmen, William Burke, Stephen D. Perry, George C. Hatch, Jr.

1910

Aldermen, John Hannigan, Joseph R. Glennon. Councilmen, Samuel A. Percy, Henry E. Woodward, James Cawley.

1911

Aldermen, John Hannigan, Joseph Chausse. Councilmen, Samuel A. Percy, Henry E. Woodward, Daniel J. Sullivan.

1912

Aldermen, John Hannigan, John F. Hatch, Jr. Councilmen, Hubert S. Kelleher, Samuel A. Percy, Henry E. Woodward.

1913

Aldermen, William K. Lees, Aldege Chausse. Councilmen, Robert Burke, Wanton H. S. Beauvais, Joseph H. Fernandes.

1914

Aldermen, Aldege Chausse, William K. Lees. Councilmen, George D. Lacroix, Alfred Levelle, Samuel A. Percy.

1915

Aldermen, Mortimer McCarty, Edward L. Cronin. Councilmen, George D. Lacroix, John H. Hollihan, Robert Burke.

The Water Board consists of the Mayor and President of Common Council, ex-officio, and three members elected at large. The board was designated as the "Acushnet Water Board" from its creation in 1869 to 1882 inclusive. Since 1882 it has been named "The New Bedford Water Board." The following have been its members:

#### MAYORS AND PRESIDENTS OF WATER BOARD.

Andrew G. Pierce—1869.  
George B. Richmond—1870, 1871, 1872, 1874, 1878.  
George H. Dunbar—1873.  
Abraham H. Howland, Jr.—1875, 1876.  
Alanson Borden—1877.  
William T. Soule—1879, 1880.  
George Wilson—1881, 1882, 1883, 1884.  
Morgan Rotch—1885, 1886, 1887, 1888.  
Walter Clifford—1889, 1890.  
Charles S. Ashley—1891, 1892, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1907, 1910, 1911, 1912, 1913, 1914.  
Jethro C. Brock—1893.  
Stephen A. Brownell—1894.  
David L. Parker—1895, 1896.  
Thomas Thompson—1906.  
William J. Bullock—1908, 1909.  
Edward R. Hathaway—1915.

#### PRESIDENTS OF THE COMMON COUNCIL.

Horatio Hathaway—1869.  
Charles M. Pierce, Jr.—1870, 1871.  
Henry F. Thomas—1872, 1873.  
Rufus A. Soule—1874.  
Edwin Dews—1875, 1876.  
William H. Matthews—1877.  
Thomas R. Rodman—1878.  
Robert W. Taber—1879, 1880.  
Isaac B. Tompkins, Jr.—1881, 1882, 1883, 1884.  
Edmund Wood—1885, 1886.  
William A. Church—1887, 1906.  
Stephen D. Pierce—1888.  
William A. Tucker, 1889, 1890.  
Joseph Dawson—1891.  
William G. Kirschbaum—1892.  
Samuel C. Hart—1893.  
John A. Barrows—1894.  
Oliver Prescott, Jr.—1895.  
Arthur L. Blackmer—1896.  
George P. Bailey—1897.  
Stephen A. Brownell—1898.  
John L. G. Mason—1899, 1900, 1901.

Samuel Higham—1902, 1903, 1904, 1905.

Francis P. Washburn—1907.

Patrick Loftus—1908.

J. Ernest Dionne—1909.

D. Herbert Cook—1910, 1911.

Frederick H. Taber—1912.

Richard Knowles—1913.

Henry E. Woodward—1914.

James F. Collins—1915.

#### MEMBERS AT LARGE.

William W. Crapo—1869, 1870, 1871, 1872, 1873, 1874, 1875.

Warren Ladd—1869, 1870, 1871, 1872.

David B. Kempton—1869, 1870, 1871, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898.

George Howland, Jr.—1871, 1872, 1873, 1874, 1875, 1876, 1877.

Henry J. Taylor—1872, 1873, 1874.

Frederick S. Allen—1874, 1875.

Thomas Bennett, Jr.—1875, 1876, 1877, 1878, 1879, 1880, 1881.

Henry F. Thomas—1875, 1876, 1877, 1878, 1879, 1880.

Thomas W. Cook—1877, 1878, 1879, 1880.

George R. Stetson—1880, 1881, 1882, 1883, 1884, 1885.

William N. Church—1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893.

Henry Howard—1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894.

Edmund Wood—1893, 1894, 1895, 1896, 1897, 1898, 1899.

Thomas B. Tripp—1894, 1895, 1896, 1897, 1898, 1899, 1900.

Robert W. Taber—1898, 1899, 1900, 1901, 1902, 1903, 1904.

Samuel C. Hunt—1899, 1900, 1901, 1902, 1903.

Zephaniah W. Pease—1900, 1901, 1902, 1903, 1904, 1905, 1906.

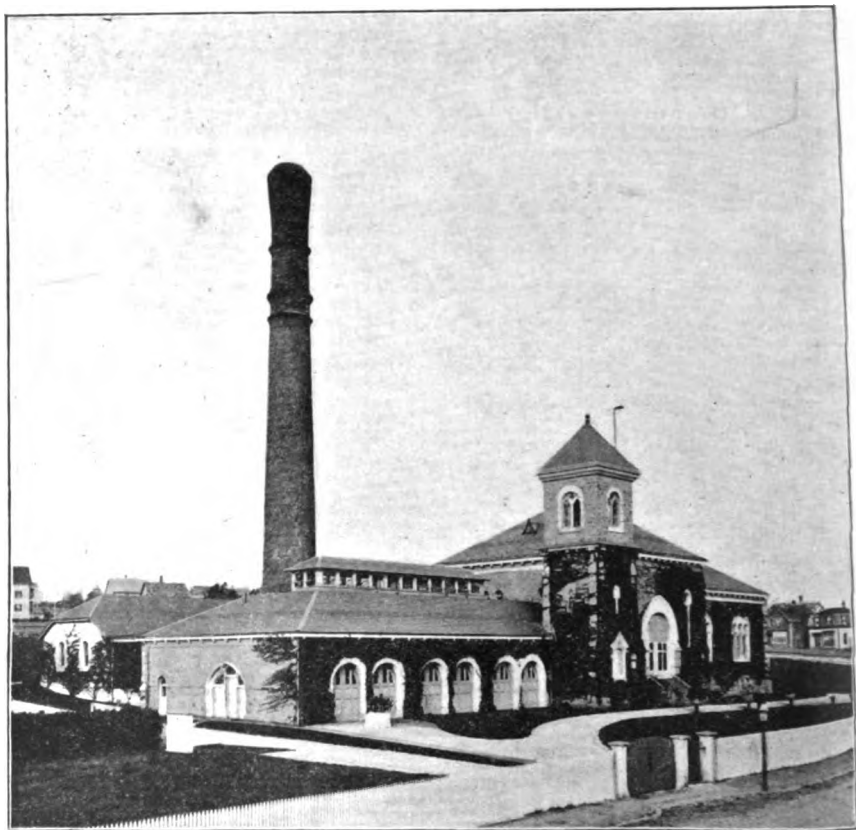
George H. Hedge—1903, 1904.

Lettice R. Washburn—1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915.

William E. Smith—1904, 1905, 1906, 1907, 1908, 1909, 1910.

William H. Pitman—1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915.

Francis P. Washburn—1910, 1911, 1912, 1913, 1914, 1915.



**PURCHASE STREET PUMPING STATION,  
Showing Development Between 1870 and 1899.**

# **CITY ORDINANCES**

**PASSED BY THE CITY COUNCIL**

**OF THE**

**CITY OF NEW BEDFORD,**

**MASSACHUSETTS**

**FROM JUNE 1, 1914 TO JUNE 1, 1915**



**NEW BEDFORD, MASS.**

**THE A. E. COFFIN PRESS, PRINTERS,  
1915**

## CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Fourteen.

## AN ORDINANCE RELATING TO FIRE DEPARTMENT.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. The terms of office of the incumbent first, second, and third assistant engineers of the fire department, as at present existing, shall cease on the election and qualification of their successors, who shall be chosen at the time and in the manner following:

At the first regular meeting of the city council following the passage of this ordinance and its approval by the mayor, the city council, in joint convention, shall elect a first, second, and third assistant engineer of the fire department, whose terms of office shall extend to the first Monday in May in the year 1915. In April, 1915, at the time of the election of the other city officers, and annually, in April, thereafter, at such time, the city council, in joint convention, shall elect a first, second, and third assistant engineer of the fire department for the year ending on the first Monday in May in the year next ensuing. Said first, second and third assistant engineers of the fire department may be removed, at any time, for cause, by majority vote of the city council, acting in convention, and all vacancies in said offices may at any time be filled for the unexpired term by election by the city council in convention.

Said first, second, and third assistant engineers of the fire department shall, until otherwise ordered by the city council, receive salaries as follows: The salary of the first assistant engineer shall be at the rate of seventeen hundred dollars per annum; the salary of the second assistant engineer shall be at the rate of fifteen hundred dollars per annum; the salary of the third assistant engineer shall be at the rate of fifteen hundred dollars per annum.

The incumbent fourth assistant engineer of the fire department shall serve, in his present capacity, and at his present salary, until the expiration of his term of office, at which time the office of fourth assistant engineer of the fire department shall be abolished. In the event of the death or resignation of the incumbent fourth assistant engineer of the fire department, the office of fourth assistant engineer of the fire department shall be abolished at the time of such death or resignation.

Section 2. The duties of the first, second, and third assistant engineers of the fire department shall be determined by the chief of the fire department. Said first, second and third assistant engineers of the fire department shall devote their whole time to the service of the fire department, and shall, at all times, obey the lawful commands of the chief of the fire department, under whose direction and control they shall be.

Section 3. The purchase of all horses, apparatus and supplies for the fire department, and the repair of all buildings used by said department, shall be under the direction of the joint standing committee on fire department of the city council, the kind and quantity of horses, apparatus, supplies and repairs to be requisitioned for by the chief of the fire department. Provided, however, that any repair of apparatus, the estimated cost of which is under fifty dollars, and any emergency repairs of apparatus, of whatever nature, needed to insure the efficiency of the fire department, shall be made under the direction of the chief of the fire department, without requisition, a report of the same being made by said chief to the joint standing committee on fire department at its next meeting. Other repairs of apparatus, before being made, shall be determined by the joint standing committee on fire department, and shall be made under the direction of the chief of the fire department.

Section 4. When new apparatus is to be purchased for the use of the fire department, or when substantial alteration is to be made to apparatus already in use in the department, the chief of the fire department, at the request of the joint standing committee on fire department, shall prepare specifications therefor, said specifications, before being submitted to bids, receiving the approval of the committee. In any event, the chief of the fire department shall examine all specifications for the purchase of, or material alteration of apparatus, before the same are submitted to bids, and shall report his opinion as to whether the same are complete and sufficient, to the joint standing committee on fire department, before bids are invited.

Section 5. Each contract for the purchase of, or material alteration of apparatus for the use of the fire department, before being executed in behalf of the city by the chairman of the joint standing committee on fire department and the mayor, shall be examined by the chief of the fire department, who shall determine whether the terms therein contained agree with the terms of the proposal received, and shall endorse thereon,

over his signature, the fact that said contract and proposal agree in substance. The said contract, before being approved by the city solicitor, shall, together with the proposal on which such contract is based, be examined by the city solicitor, who shall in his endorsement thereon, attest that such examination has been made, and that the contract and proposal agree in substance, and that the form of such contract is correct.

Section 6. Each contract for the purchase of fire department apparatus, and each contract for the material alteration of fire department apparatus, shall contain a clause allowing the trial of such apparatus for at least thirty days before payment of the purchase price; and all parties contracting with the city for the sale or material alteration of apparatus shall be required to furnish an indemnity bond for such an amount as the joint standing committee on fire department shall determine, to protect the city from any loss which may be occasioned by failure of said apparatus to comply with the terms of the contract. This clause shall be written into and made a part of every such contract, and the specifications relative to bids therefor.

Section 7. All ordinances and parts of ordinances inconsistent herewith are hereby repealed.

Section 8. This ordinance shall take effect upon its passage.

In Board of Aldermen, Nov. 12, 1914. Passed to be ordained.  
CHARLES S. ASHLEY, Mayor.

In Common Council, Nov. 12, 1914. Passed to be ordained.  
HENRY E. WOODWARD, President.

Presented to the Mayor for approval Nov. 13, 1914.  
Approved by the Mayor Nov. 21, 1914.

A true copy, attest: W. H. B. REMINGTON, City Clerk.

## CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Fourteen.

AN ORDINANCE AMENDING AN ORDINANCE RELATING  
TO THE INSPECTOR OF WIRES.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. Section 3 of an ordinance relative to the Inspection of Wires as passed April 11, 1912 is hereby amended by inserting in the first line thereof after the word "for" the words "or any work done in connection with any electrical material or" and by striking out in the third line thereof the words "in any public building," so as to read as follows: Section 3. Before any bids are obtained for or work done in connection with any electrical material or the installation or alteration of any electrical work under the direction of the City Council, or any department or committee of the City Council of the City of New Bedford, the Inspector of Wires shall carefully examine the plans and specifications for the same, and shall certify, in writing, to the Superintendent of Public Buildings, department or committee, whether, in his judgment, said plans and specifications are sufficient and complete for their purpose.

Section 2. The Inspector of Wires shall have full charge and entire control of the Police Telegraph and Signal systems.

Section 3. All ordinances or parts of ordinances inconsistent herewith are hereby repealed.

Section 4. This ordinance shall take effect upon its passage.

In Board of Aldermen, Nov. 12, 1914. Passed to be ordained.  
CHARLES S. ASHLEY, Mayor.

In Common Council, Nov. 12, 1914. Passed to be ordained.  
HENRY E. WOODWARD, President.

Presented to the Mayor for approval Nov. 13, 1914.  
Approved by the Mayor, Nov. 21, 1914.

A true copy, attest: W. H. B. REMINGTON, City Clerk.



## CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Fourteen.

AN ORDINANCE AMENDING SECTION 16 OF CHAPTER 22  
OF THE CITY ORDINANCES RELATIVE TO STREET SIGNS.

Be it ordained by the City Council of the City of New  
Bedford as follows:

Section 1. Section 16 of Chapter 22 of City Ordinances  
is hereby amended by striking out the last paragraph thereof  
"nor shall any person" and by substituting in place thereof the  
following: "Nor shall any person maintain or erect, hang,  
affix or fasten any sign upon the roof or side of his building  
upon any street, lane, alley or public place of the City, without  
first obtaining a permit therefor from the Board of Mayor  
and Aldermen."

In Board of Aldermen, Nov. 12, 1914. Passed to be  
ordained.

CHARLES S. ASHLEY, Mayor.

In Common Council, Nov. 12, 1914. Passed to be ordained.

HENRY E. WOODWARD, President.

Approved Nov. 13, 1914. CHARLES S. ASHLEY, Mayor.

A true copy, attest: W. H. B. REMINGTON, City Clerk.

## REGULATIONS AS TO SIGNS.

## CITY OF NEW BEDFORD.

In Board of Aldermen, Dec. 2, 1914.

Applications for permits to maintain or erect, hang, fix or fasten any sign upon the roof or side of any building upon any street, lane, alley or public place of the City of New Bedford, shall be made at the office of the City Clerk. Applications shall be made in duplicate, and if they involve the use of electricity, in triplicate.

Each application shall contain the following data: Location, street and number; description, outside dimensions in feet and inches; height of lowest point from sidewalk; extreme extension from property line in feet and inches; weight in pounds; material; method of fastening to supporting surface; whether or not electrically equipped or calculated for electrical equipment.

Each application shall be accompanied by a sketch plan sufficiently comprehensive to show dimensions, and distances with relation to property lines and sidewalks, the construction of the sign, and the method of fastening the same to its supporting surface.

Upon the receipt of each application, the City Clerk shall notify the inspector of buildings by filing with him a duplicate. Said inspector of buildings shall consider the construction of the sign, and the method of fastening it to its supporting surface, and shall report to the board of mayor and aldermen whether such construction is proper and whether such method is sufficiently safe.

If said sign is equipped for the use of electricity, or is calculated to be so equipped, the City Clerk, upon receipt of the application, shall notify the inspector of wires, by filing with him a copy of the application, who shall consider the completeness and sufficiency of the electrical equipment, or the proposed electrical equipment, and shall report to the board of mayor and aldermen whether such equipment is proper and sufficiently safe.

Each application for a permit to install and maintain a sign shall include a clause whereby the applicant shall agree, on condition that the permit is granted, to forthwith remove the sign on order of the board of mayor and aldermen; and upon failure to comply with such order of said board to remove said sign, within 10 days from the date of such order, then

the board of mayor and aldermen shall have the right to cause the same to be removed at the expense of the owner of said sign.

It shall be a condition of the granting of a permit to install and maintain a sign, that if the grantee shall remove his business from the location for which the permit is granted, he shall, within ten days after such removal, cause said sign to be removed from that portion of the street which it occupies, and that, on failure to so remove said sign within the time named, then said sign shall be removed by the city at the expense of the grantee.

All permits shall be issued and signed by the City Clerk. Before any permit is issued, the grantee shall file with the City Clerk a good and sufficient bond with two sureties in the amount of five hundred dollars, made payable to the City of New Bedford, and approved by the City Treasurer, so worded as to safeguard and hold the city harmless from all damage costs or expense, on account of injury to persons or property which is due to anything done under said permit.

No permit shall be granted for a sign any portion of which extends beyond the outer curb of the sidewalk, or which, at its lowest point, is less than eight feet above the surface of the sidewalk; provided, however, that permits may be granted for the temporary display of signs consisting of banners over the surface of the street, and not less than twenty feet above the same, for such time and in such manner as the board of mayor and aldermen may determine, at the time of passing on said application.

A copy of these regulations shall be printed on every permit.

In Board of Aldermen, Dec. 2, 1914. Adopted and sent down for concurrence.

In Common Council, Dec. 10, 1914. Concurred.

Presented to and approved by the Mayor, Dec. 11, 1914.

A true copy, attest:

W. H. B. REMINGTON, City Clerk.

## CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Fifteen.

AN ORDINANCE SUSPENDING AN ORDINANCE RELATIVE  
TO STREET SIGNS.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. The operation of an ordinance entitled "An Ordinance Amending Section 16 of Chapter 22 of the City Ordinances Relative to Street Signs," passed to be ordained Nov. 12, 1914, and approved by the Mayor Nov. 13, 1914, is hereby suspended.

Section 2. This ordinance shall take effect upon its passage.

In Board of Aldermen, March 10, 1915. Passed to be  
ordained. EDW. R. HATHAWAY, Mayor.

In Common Council, March 11, 1915. Passed to be  
ordained. JAMES F. COLLINS, President.

Approved March 11, 1915. EDW. R. HATHAWAY, Mayor.

A true copy, attest: W. H. B. REMINGTON, City Clerk.

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CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Fifteen.

## AN ORDINANCE RELATIVE TO SIGNS.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. No person, firm or corporation shall attach to or maintain on any building, structure or other support or otherwise locate or maintain any sign, board or other device in the nature of a notice, designation or advertisement, so that it shall extend or project over the sidewalk of any street in the city, except as hereinafter provided. The word "sign" or "signs" as hereinafter used shall designate and include any such sign, board or device, exclusive of fastenings.

Section 2. A sign which does not weigh more than ten pounds may be constructed and maintained without a permit therefor; neither shall a permit be required for a sign erected and maintained for the safety of the public.

Section 3. Upon application therefore on blanks to be provided by the city clerk, the board of aldermen may issue permits to the owner, lessee or occupant of such building, structure or other support, for the location of signs to extend or project over such sidewalks, subject to the conditions, limitations and requirements in this ordinance specified. Every applicant for a permit shall sign an agreement on the application blank to observe and conform with the conditions, limitations and requirements, subject to which the permit is granted. Said board shall not grant any such permit until it shall have submitted the application therefor to the inspector of buildings, and the latter shall have approved the definite location thereof proposed therein. In each application the specifications of the proposed construction shall be stated, and said inspector may require a plan thereof to be filed with him.

Section 4. No sign shall, or shall be permitted to extend or project over any such sidewalk, which does not relate exclusively to the occupation or use of, or the business conducted on the adjoining premises. No sign shall extend or project beyond the street line more than the width of the sidewalk immediately beneath. In every case the lower edge of the sign shall not be less than ten feet above every part of the sidewalk immediately beneath, except that the lower edge of any sign which does not extend out more than two feet over the sidewalk immediately beneath may be not less than eight and one-half feet above every part of the sidewalk immediately beneath. This section shall not apply to signs weighing not more than ten pounds, the location of which shall have been approved by the inspector of buildings.

Section 5. Every sign permitted hereunder and the framework, braces, anchors and other supports thereof shall be constructed of such materials and in such workmanlike manner as shall be satisfactory to said inspector, and in case it is illuminated, it shall be lined to the satisfaction of the inspector of wires. Every sign permitted hereunder shall be kept in good repair and at all times maintained in safe condition.

Section 6. Such general permission hereunder in each case is upon the condition, and every such permit shall be

granted upon the condition, that the licensee, and every owner of, or person maintaining any such sign, shall be liable for and shall satisfy, and save the city harmless and indemnified against any liability on its part on account of any lawful damages to persons or property caused by the construction or maintenance of such sign over the sidewalk or any negligence relative thereto.

Section 7. Whenever any sign over any sidewalk is found by the inspector of buildings to obstruct or interfere in any manner with the light from any street lamp, or with the location or relocation of any street lamp, or to obstruct or interfere in any manner with travel over such sidewalk, he may, in writing, order the person or persons owning or maintaining it either to remove it altogether or to change its location to such new location as specified by him in such order, and such person or persons shall comply with such order within such time as may be prescribed therein by said inspector; and in case of any failure on their part so to do, said inspector shall cause such sign to be removed, and such person or persons shall reimburse the city for all expenses of such removal paid by it.

Section 8. Every such permit issued shall have printed thereon or on the back thereof a copy of this ordinance. Any violation of or failure to comply with any such conditions, limitations or requirements by any licensee, owner of or person maintaining any such sign, whether under general or special permission hereunder, shall work in each such case a forfeiture of such permission or privilege.

Section 9. Whenever any sign over any sidewalk in the city is found by said inspectors which is not constructed or maintained in accordance with the conditions, limitations and requirements hereof, either of said inspectors may, or if in his opinion it is for any reason unsafe or dangerous, or if in his opinion the public interests require its removal, he shall order the owner of or person maintaining or having the care of such sign to remove the same, and if the same is not removed by him within five days from the date such order is given him, said inspector shall cause the same to be removed, and such owner or person shall reimburse the city for all expenses of such removal paid by it. In any case of emergency, said inspectors may cause any such sign to be forthwith removed, and the expense thereof shall be repaid the city by such owner or person.

Section 10. A fee of one dollar shall be charged by the city clerk upon the issuance of any permit as required by the provisions of this ordinance.

Section 11. No banner shall be displayed across a street without the application and issuance by the city clerk of a permit therefor, and the payment of a fee of one dollar, subject to the approval of the board of aldermen

Section 12. Any person erecting or maintaining any such sign or banner in violation of any provision hereof shall be fined not exceeding twenty dollars for each violation thereof, and each day on which any such violation shall continue shall constitute a separate offence.

Section 13. The city clerk is hereby empowered to grant a temporary permit to maintain a sign, which has been approved by the inspector of buildings and by the inspector of wires, if the sign be illuminated, subject to the final approval of the board of aldermen.

Section 14. No right shall be acquired under any such general or special permission or any other provision hereof, which shall prevent the city council or other governing body of the city at any time from withdrawing permission for the construction or maintenance of signs over sidewalks, or from changing the conditions, limitations or requirements under which permission may be had for the same, or from repealing or amending this ordinance or any ordinance in amendment thereof or in addition thereto.

Section 15. Nothing herein shall be construed to prohibit any marking or printing upon any awning constructed and maintained according to law.

Section 16. This ordinance shall take effect upon its passage.

In Board of Aldermen, March 25, 1915. Passed to be  
ordained. EDW. R. HATHAWAY, Mayor.

In Common Council, March 25, 1915. Passed to be  
ordained. JAMES F. COLLINS, President.

Presented to and approved by the Mayor, March 26, 1915.

A true copy, attest: W. H. B. REMINGTON, City Clerk.

## CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Fifteen.

AN ORDINANCE AMENDING AN ORDINANCE RELATIVE  
TO SIGNS PASSED TO BE ORDAINED MARCH 25,  
1915 AND APPROVED MARCH 26, 1915.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. Section 2 of an ordinance relative to signs passed to be ordained March 25, 1915 and approved March 26, 1915 is hereby amended by inserting after the word "pounds" the following: "or a sign which does not project into the highway more than six inches," and by striking out all of said section after the words "neither shall," and inserting in place thereof the following: "permits be required for poles, wires, conduits, and appurtenances of steam railroad, street railway, telegraph and telephone, water, gas, electric light, heat and power companies," so that said section shall read as follows:

Section 2. A sign which does not weigh more than ten pounds or a sign which does not project into the highway more than six inches may be constructed and maintained without a permit therefor; neither shall permits be required for poles, wires, conduits, and appurtenances of steam railroad, street railway, telegraph and telephone, water, gas, electric light, heat and power companies.

Section 2. Section 12 of the above-described ordinance is hereby amended by inserting after the words "provision hereof" the following: "after five days' notice to remove has been given," and by striking out the word "twenty" and inserting in place thereof the word "five," so that said section shall read as follows: Section 12. Any person erecting or maintaining any such sign or banner in violation of any provision hereof, after five days' notice to remove has been given, shall be fined not exceeding five dollars for each violation thereof and each day on which any such violation shall continue shall constitute a separate offence.

Section 3. Section 16 of said ordinance above-described is hereby amended by striking the whole of said section and inserting in place thereof the following: Section 16. This ordinance shall take effect sixty days after its passage.

In Board of Aldermen. Passed to be ordained, May 13, 1915.

EDW. R. HATHAWAY, Mayor.

In Common Council. Passed to be ordained, May 13, 1915.

JAMES F. COLLINS, President.

Presented to and approved by the Mayor, May 17, 1915.

A true copy, attest: W. H. B. REMINGTON, City Clerk.



## CITY OF NEW BEDFORD.

In the Year One Thousand Nine Hundred and Fifteen.

## AN ORDINANCE CONCERNING PLUMBING.

Be it ordained by the City Council of the City of New Bedford as follows:

Section 1. Unless the Board of Health shall permit otherwise, the rules and regulations for the materials, construction, alteration and inspection of all pipes, tanks, faucets, valves and other fixtures by and through which waste water or sewage is used and carried shall be as follows:

## MAIN DRAINS.

Every building shall be separately and independently connected with a public or private sewer or cesspool. The main drain from a point ten feet outside the cellar wall, (including the running trap), shall be of extra heavy cast iron pipe, and beyond that point iron or the best quality vitrified drain pipe, the same to be not less than six inches internal diameter. That portion of the house drain which is inside the walls, or under the building, shall have a fall of at least one-quarter inch to the foot. It shall be supported on piers securely fastened to the cellar wall or suspended from the floor timbers with iron hangers every five feet of not less than three-eighths of an inch in diameter. When impracticable to do this in the opinion of the Plumbing Inspector, it shall be laid in a trench beneath the basement or cellar floor. When connected with a public or private sewer or cesspool, the house drain shall be provided with an extra heavy five inch cast iron running trap, with an extra heavy brass clean-out, which shall be located beyond all house connections. If the trap be inside the cellar wall, the clean-out shall be on the house side of the trap. (The size of the running trap must in all cases be five (5) inches or more internal diameter.) (When the city drain pipe layer is ready to connect the vitrified pipe with the iron pipe the plumber shall have the iron pipe caulked into the running trap; he shall place the trap in position for the drain layer to make the cement connection.) All cast iron soil pipe shall be laid by the plumber.

## FRESH AIR INLET.

There shall be provided a fresh air inlet pipe of not less than four inches in diameter, on the house side of the running trap, which must terminate outside of the building, not less than one foot above the ground, and fitted with a wire screen at the open end. Its terminus shall be five feet away from

doors or other air inlets, and the construction of such fresh air inlets must be satisfactory to the Inspector of Plumbing.

#### SOIL PIPES.

All pipes receiving the discharge from water closets shall be of iron, at least four inches internal diameter, and vented to the roof of undiminished size at least two feet above the roof ten (10) feet away from all windows and left open at the top. A vertical soil pipe receiving the discharge from more than seven water closets shall be not less than five inches internal diameter. A horizontal soil pipe receiving the discharge from three or more water closets shall be not less than five inches internal diameter.

In all cases the main drain or waste pipe (from the running trap) to a point two feet above the roof shall be four inches or more internal diameter.

#### BRANCHES.

Branch lines of horizontal soil pipe fifteen (15) feet or more in length must be continued of undiminished size, through the roof, and project at least two feet above it, and left open.

#### CONNECTIONS.

All connections with horizontal pipes shall be made with one-eighth bends and "Y" branches, and all changes in the direction of the waste pipe must be made with "Y" branches and fitted with clean-outs, clean-outs to be placed at the foot of vertical stack.

#### WASTE PIPE.

Waste pipes from sinks, basins, wash tubs, shall be of lead, iron or brass; those of less than two (2) inches internal diameter shall be of lead or brass, those of two (2) inches or over shall be of iron. When a pipe runs vertically it shall not be less than two (2) inches internal diameter and continued of undiminished size to roof where it shall be increased to four inches. Horizontal sink pipes ten (10) feet or more in length shall be three (3) inches in diameter and all waste pipes from sinks must have a clean-out.

When two and not more than six fixtures, such as wash-bowls, bath tubs or wash trays are used on one line, the waste pipe must not be less than two (2) inches in diameter. For any number exceeding six (6) the waste pipe shall have a diameter not less than three (3) inches.

A waste pipe connecting two or more fixtures, such as sinks, bowls or baths, shall be of iron and not less than two (2) inches internal diameter. Bath tubs and wash bowls shall

be separately trapped. All traps shall be placed satisfactorily to the Inspector of Plumbing.

The use of lead waste pipes is restricted to short branches not more than five (5) feet in length.

All waste and vent pipes used hereafter must not be less than one and one-half ( $1\frac{1}{2}$ ) inches in diameter.

A vertical pipe receiving the discharge from five (5) or more sinks must not be less than three inches (3") internal diameter and extend full size through the roof.

The diameter and weight of soil, waste and vent pipes shall not be less than these given in the following table:

#### WEIGHT OF LEAD PIPES.

The size and weight of lead waste and vent pipes shall be as follows:

1 $\frac{1}{2}$ ins. in diameter,	3 $\frac{1}{2}$ pounds per foot
2 inches in diameter,	5 pounds per foot
4 inches in diameter,	8 pounds per foot

All lead traps and bends shall be of the same weight per running foot as the lead pipe with which they are connected. Lead pipe used to connect fixtures with vertical soil or waste pipes, or to connect traps with vertical vent pipes, shall not be lighter than defined in the above table.

#### CAST IRON SOIL AND VENT PIPES.

All cast iron pipes must be free from holes and other defects; of a uniform thickness; and shall have the full weight of the following table for the corresponding diameters:

Internal diameter:

2 inches,	5 $\frac{1}{2}$ pounds per foot
3 inches,	9 $\frac{1}{2}$ pounds per foot
4 inches,	13 pounds per foot
5 inches,	17 pounds per foot
6 inches,	20 pounds per foot

All fittings used with such pipes shall be of the same diameter, weight and quality. (All underground pipes before being connected shall be thoroughly coated inside and out with coal tar, pitch or some equivalent substance satisfactory to the Inspector and applied hot by immersion.)

No slip joints or unions shall be used on traps, waste or vent pipes.

Threaded connections on brass traps shall be of the same size as standard pipe threads.

**TRAPS.**

All sinks shall have not less than one and one-half ( $1\frac{1}{2}$ ) inch lead, iron or brass traps with one and one-half ( $1\frac{1}{2}$ ) inch lead waste and vent pipes. The following sizes of waste pipes and traps are allowed: Water Closets, four (4) inches; Urinals, one and one-half ( $1\frac{1}{2}$ ) inches; Slop sinks, three (3) inches; Sinks, one and one-half ( $1\frac{1}{2}$ ) inches; Wash Tubs, one and one-half ( $1\frac{1}{2}$ ) inches; Bath Tubs, one and one-half ( $1\frac{1}{2}$ ) inches; Basins, one and one-half ( $1\frac{1}{2}$ ) inches.

Each fixture shall have a trap placed within two (2) feet of its outlet.

All traps shall be easily accessible and provided with a cleaning screw.

The trap for an upper fixture on a line of soil or waste pipe within two (2) feet of a vertical line shall not require a special air pipe.

Round traps to be not less than eight (8) inches in length and four (4) inches in diameter.

**WASH TRAYS.**

A set of three (3) wash trays may be connected to the house drain through one trap.

**WASH BOWLS.**

Not more than three (3) wash bowls in a continuous line may be connected to the house drain through one trap.

**LEAD BENDS.**

No connection to lead bends shall be permitted except the back air pipe.

**FLOOR PLATES.**

Earthen-ware water closets shall have heavy brass floor plates soldered to the lead bend and bolted to the water closet flange, and the joint made gas tight with red or white lead. (Inspection required.)

**LEADERS.**

Rain water leaders entering a sewer or house drain shall be trapped, and such traps fitted with brass screw clean-out.

Leaders placed in the inside of a building shall be of cast or galvanized wrought iron pipe of not less than three (3) inches internal diameter, the same to be furnished with three (3) inch traps, and must not enter the soil pipe above the basement.

**ROOF CONNECTIONS.**

Roof connections for leaders where they join the house drain on the inside of a building must have a brass caulking ferrule soldered to the roof connection and the joint caulked and leaded. (Provide for slip joint.)

In every hotel, restaurant, boarding house or public cooking establishment, there shall be a grease trap connected with the sink, which, with the location, shall be satisfactory to the Inspector of Plumbing.

#### WATER CLOSETS.

All water closets shall be supplied with a sure flush tank or cistern to hold not less than five (5) gallons of water.

No water closet shall be supplied directly from the house supply pipe.

The flushing pipe shall not be less than one and one-quarter ( $1\frac{1}{4}$ ) inches in diameter.

Water closets may be supplied with water through a flushometer valve on approval of the Board of Health.

When a water closet is to be placed in a house in which the drain is of cement or vitrified pipe, such drain shall be replaced by iron pipe and vented in the same manner as new work.

No water closet shall be maintained in the cellar of any tenement house without a permit in writing from the Board of Health; said Board shall have power to make rules and regulations governing the maintenance of such closets.

In the case of batteries or water closets or other fixtures the special air pipe from each trap may be omitted, provided that the soil or waste pipe, undiminished in size, is continued to a point above the roof or revented into the main soil pipe system above the top of the uppermost fixture.

A water closet, however, connected to a horizontal soil line served by a circuit vent, and located two (2) feet or more from that line shall be vented in the usual manner.

All water closet compartments including bath rooms shall be entirely separated from any other room of a building by partitions from floor to ceiling.

In every tenement building erected hereafter there shall be a separate water closet for each tenement, conveniently located and constantly supplied with water.

All water closets hereafter constructed, when practicable, shall be located in a well ventilated apartment, with a window not less than three square feet in area, leading directly to the outer air. When otherwise located the apartment shall be supplied with suitable lighting and ventilating shaft.

Plumbing fixtures shall not be permanently set up or connected for use until the provisions of this Regulation have been complied with.

All plumbing fixtures in tenement houses shall not be enclosed by wood work, but shall be left open and exposed to view.

**BACK AIR PIPES, VENTS, ETC.**

Traps shall be protected from siphonage or air pressure by special galvanized iron, cast iron or brass air pipes of a size not less than the waste pipes they serve; (no back air pipe less than one and one-half ( $1\frac{1}{2}$ ) inches to be used) back air pipes shall not be connected to the trap or branched into the waste pipe except where a continuous vent is not practicable. Back air pipes shall enter the waste pipe within eighteen (18) inches from the trap and shall be a continuation of the waste pipe. Lead air pipes may be used only for short connections where they are exposed to view.

Vent pipes one and one-half ( $1\frac{1}{2}$ ) inches in diameter shall not exceed fifteen (15) feet in length.

Where there are eight (8) or more fixtures connected to a ventilating pipe, said pipe shall not be less than three inches internal diameter; and where three (3) or more water closets are so connected said pipe shall not be less than three (3) inches internal diameter.

Vent pipes must have a continuous pitch to avoid collecting water by condensation.

No bowing of vent pipes shall be allowed. Vents for traps to water closets, bowls or other fixtures, shall be carried to a level with the tops of all fixtures.

Horizontal vent pipes from each water closet trap shall be not less than two (2) inches internal diameter for thirty (30) feet or less, and for more than thirty (30) feet they shall not be less than three (3) inches internal diameter.

Vent pipes shall connect with the ventilating stacks by the shortest route. All vent pipes where they pass through the roof shall not be less than four (4) inches in diameter and extend of the same size to a point two (2) feet or more above the roof, and not adjoining any window or other opening into the building.

All pipes shall be made water tight where they pass through the roof with sheet copper or sheet lead turned into the hub of iron pipe. Joint connections to be run with molten lead only.

Water closet vents from lead bends shall be placed on top of the bend so far as practicable. If connected on the side of the bend, they shall be placed so as to conform with the flow of water.

All main lines of back ventilation pipe shall be taken from a "Y" branch placed in the vertical line of soil or waste pipe below the waste connections of the lowest fixtures entering said line. said main ventilation line shall be carried up through the building and shall connect into the main soil or waste pipe

line above the top of the highest fixture on said line or carried up separately through and above the roof of the building.

#### FERRULES, CLEAN-OUTS, ETC.

Brass ferrules shall be of the best quality, bell-shaped, extra heavy cast brass, not less than four (4) inches long and two and one-quarter ( $2\frac{1}{4}$ ) inches; three and one-half inches; and four and one-half inches in diameter, and of not less than the following weights:

Diameters.	Weights.
2 $\frac{1}{2}$ inches.....	1 pound
3 $\frac{1}{2}$ inches.....	1 pound, 12 ounces
4 $\frac{1}{2}$ inches.....	2 pounds, 8 ounces

One and one-half inch ferrules shall not be used.

Soldering nipples shall be of heavy cast brass or of brass pipe, iron pipe size. If cast, they shall be of not less than the following weights:

Diameters.	Weights.
1 $\frac{1}{2}$ inches.....	8 ounces
2 inches.....	14 ounces
2 $\frac{1}{2}$ inches.....	1 pound 6 ounces
3 inches.....	2 pounds
4 inches.....	3 pounds 8 ounces

When clean-outs are used, the screw cap shall be of brass, extra heavy, and not less than one-eighth ( $\frac{1}{8}$ ) of an inch thick. The engaging parts shall have not less than six (6) threads of iron pipe size and shall be tapered. Clean-outs shall be full size of trap up to five (5) inches in diameter.

The screw cap shall have a solid square nut, not less than three-quarter ( $\frac{3}{4}$ ) inches high, with a diameter of one and one-half inches.

#### CLEAN-OUTS.

A clean-out shall be placed at the base of each vertical stack, and every thirty (30) feet.

All clean-outs shall be approved by the Inspector of Plumbing. Offsets in horizontal pipes must be made with one-eighth ( $\frac{1}{8}$ ) or one-sixteenth (1-16) bends and piece of pipe.

All connections of lead waste and ventilating pipes shall be made with plumbers' wipe solder joints. No cup or wiped cup joints allowed on the sewer side of the trap.

#### SAFE WASTES.

All waste pipes from safes under fixtures shall be run separately to basement or cellar, and left open; in no case shall they be connected with the soil pipe or any other waste pipe.

**REFRIGERATOR WASTES.**

No waste pipe from a refrigerator or other receptacle in which food or provisions are stored shall be connected with a drain, soil or other waste pipes, but shall be separated therefrom by an open sink and tray, trapped.

**TANK OVERFLOW.**

All overflow pipes from tanks shall be left open and in sight. In no case shall they discharge into a soil or waste pipe.

**QUALITY OF JOINTS.**

Every joint in earthen pipe shall be made in hydraulic cement. The inside of the joints and of the pipe shall be cleaned out before connection is made with the house. Every joint in lead pipe shall be made with plumbers' wipe metal joints.

Every joint of iron and lead pipe shall be made by an extra heavy brass ferrule of same size as lead pipe, set in the hub of the branch of the iron pipe and caulked with lead; the lead pipe to be attached to the ferrule by a wiped solder joint. Every joint in a cast iron ball and spigot pipe to be made with packed oakum and molten lead well caulked at least one and one-half inches deep, and made water and air-tight, and no joint shall be painted until tested by the Inspector of Plumbing. Where screw joints are used, they shall be made up in red lead and made steam tight.

**SURFACE DRAINAGE.**

No opening into the house drain or sewer for the purpose of draining the cellar of surface water will be allowed, except by permission of the Board of Health. The following regulations shall be made conditions of every such permit:

(a) A trap with a seal of not less than eight (8) inches made with extra heavy fittings with a back-water valve and clean-out placed on the house side shall be used. (This trap shall enter the main drain on the sewer side of the main house trap) and shall be not less than four (4) inches internal diameter.

(b) A leader of iron shall enter the trap with all joints connected with the leader inside the cellar leaded and caulked, as provided in the case of iron soil pipe.

No steam exhaust, blow-off or drip pipe shall connect with any house drain, soil waste pipe or sewer. Blow-off pipes may discharge into a tank or condenser, from which a suitable outlet to the house drain shall be provided.



## MISCELLANEOUS.

Wash trays and sinks shall be of non-absorbent material; the use of wood sinks or wash trays is prohibited.

Hereafter brick sinks will not be allowed.

Vent pipes when carried on the outside of a building must be not less than two (2) inches in diameter, and to be a continuation of the waste pipe.

Vent pipes one and one-half ( $1\frac{1}{2}$ ) inches in diameter allowed for two fixtures, other than water closets.

Not more than fifteen (15) feet of one and one-half ( $1\frac{1}{2}$ ) inch horizontal back air pipe to be used.

All wrought iron pipe to be galvanized.

A continuous vent cannot be applied to full S or  $\frac{3}{4}$  S trap.

All waste fittings of wrought iron pipe to be galvanized cast iron, and recessed.

Back water valves to be used only on approval of the Board of Health.

All traps not supplied with special air pipes shall be non-siphon of a type approved by the Board of Health.

Branches of soil or waste pipes over fifteen (15) feet in length to be continued of full size.

No waste pipes to connect to lead bends.

The trap to an upper fixture does not require a back air pipe.

Vent lines to connect to stack below all fixtures.

One trap may be used for not exceeding three bowls in a continuous line.

Clean-outs to have brass screw caps with not less than six threads.

Cellar pipes not to be tested unless the main trap is set and connected with sewer.

Clean-outs to be caulked in main trap as soon as water is drawn from pipes after testing. Clean-outs must extend above the cellar floor.

Range closets not allowed.

Iron water closets and trough urinals must be enameled, the floor to be of water-proof material.

A deep sealed trap may be used for soda fountains when approved by the inspector.

In buildings where ice-cream is manufactured, the floor shall be made water-proof with cement, asphalt or some other water-proof material, and shall have a floor drain to connect with the drainage system.

## STEAM EXHAUST.

No steam exhaust, blow-off or drip pipe shall connect with any house drain, soil waste pipe or sewer. Blow-off pipes may discharge into a tank or condenser.

The Inspector may require such additional means of cooling the blow-off tanks by the injection of cold water or otherwise as may be necessary to reduce the temperature of the water passing from the blow-off tank so that it shall not exceed one hundred and thirty (130) degrees Fahrenheit.

#### SPECIAL TRAPS, ETC.

Every building in which gasoline, naphtha, or other inflammable compounds are used for business purposes shall be provided with a special trap, satisfactory to the Inspector, so designed as to prevent the passage of such material into the sewer. When non-siphon traps are allowed they shall be of a type approved by the Board of Health. The waste pipe of every washstand for vehicles shall be provided with a sand-box of sufficient capacity.

#### STABLES.

The drainage from stables shall be according to special plans approved by the Board of Health.

#### LABORATORIES.

The drainage from laboratories shall be according to special plans approved by the Board of Health.

#### MISCELLANEOUS.

Vent pipes and fittings of wrought iron may be used, provided the same are galvanized.

No galvanized wrought iron vent pipes less than one and one-half ( $1\frac{1}{2}$ ) inches in diameter shall be used.

A house drain or private sewer passing under another house, or within eight feet of the cellar wall of another house, shall be of extra heavy cast iron soil pipe.

The use of sanitary T's will only be allowed in vertical pipes.

Double hubs are prohibited in all cast iron soil or water pipes.

No saddle hub to be allowed.

No fixture shall be trapped by having its outlet connected with the trap of another fixture.

Cast iron water closet traps must be porcelain lined.

The waste pipe connecting with a bar shall have at least one trap for every five (5) fixtures; such trap shall be placed within at least one foot of the last fixture and vented to main ventilating trap pipe or through the roof.

Section 2. No person shall construct, add to, or alter any portion of the drainage system of any building except to repair leaks, until he has filed at the office of the Board of Health, upon blanks, in such form as the Board of Health shall furnish,

a plan of the work to be performed. No person shall commence work on such drainage or plumbing without a permit from the Board of Health. Within two days of the filing of such plans the Board will approve or reject the same. Permits may be recalled by the Board of Health, if conditions are violated.

After a plan has once been approved, no alteration of the same will be allowed except by a permit of the Board of Health.

All plumbing work in new buildings or new work in old buildings shall be tested by the water test or such other methods as the Board of Health may direct.

Section 3. No person shall cover or conceal any part of the work until after it has been examined and approved by the Inspector of Plumbing. The plumber shall send notice to the Board of Health when the work is sufficiently advanced for such inspection, and again when the work is completed. The plumber shall test all soil, waste, drain and vent pipes in the presence of the Plumbing Inspector, by the water test, or by such other methods as may be approved by the Board or Health, the pressure to be applied as directed by the Inspector, the test to be made as follows: (All connections must be made with the exception of the main trap clean-out for the testing plug.) Place traps in their proper places, connect all back vent pipes to traps, caulk all ferrules in soil and waste pipes, place all iron hangers and other supports in their position.

None of the pipes shall be covered or used until they have stood the test to the satisfaction of the Inspector.

All defective joints and pipes shall be replaced by sound pipe.

Section 4. The provisions of Chapter 103 of the Revised Laws and amendments thereto, are hereby accepted and adopted, and nothing contained in this ordinance shall be construed to prevent the Board of Health from making such further rules and regulations in regard to plumbing or house drainage, hitherto authorized by law, which are not inconsistent herewith, and Chapter 20 (of Revised Ordinances, July 1, 1896) concerning plumbing is hereby repealed.

Section 5. This ordinance shall become operative on and after July 1, 1915.

In Board of Aldermen. Passed to be ordained, March 11, 1915.

EDW. R. HATHAWAY, Mayor.

In Common Council. Passed to be ordained, April 8, 1915.

JAMES F. COLLINS, President.

Presented to and approved by the Mayor, April 9, 1915.

A true copy, attest: W. H. B. REMINGTON, City Clerk.

## NEW WARD LINES, CITY OF NEW BEDFORD.

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City Clerk's Office, Dec. 30, 1914.

The following order and extract from Chapter 676 of the Acts of 1914, relative to re-division of the city into wards, is published for the information of the inhabitants:—

## ORDER FOR RE-DIVISION, CITY OF NEW BEDFORD.

In Board of Aldermen, Dec. 23, 1914.

ORDERED, That in conformity with the Revised Laws of Massachusetts, and under authority of Chapter 676 of the Acts of the Legislature in the year 1914, the several wards of the city be and they hereby are divided and established according to the following described lines, said division and designation to take effect as prescribed by Section 4 of said Chapter 676 of 1914:

Ward One—All that portion of the city lying north and east of a line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven, and drawn through the middle of Sawyer Street to the westerly line of the location of the Old Colony Railroad; thence northerly and westerly in that line and in the southerly line of the Watuppa Branch of the Old Colony Railroad to the line between the City of New Bedford and the Town of Dartmouth.

Ward Two—All that portion of the city lying between a line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven and drawn through the middle of the following streets, namely: Wamsutta, Purchase, Austin, County, Hazard, Summer, Robeson, and the last named line extended to the line between the City of New Bedford and the Town of Dartmouth, and the line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven and drawn through the middle of Sawyer Street to the westerly line of the location of the Old Colony Railroad; thence northerly and westerly in that line and in the southerly line of the Watuppa Branch of the Old Colony Railroad to the line between the City of New Bedford and the Town of Dartmouth.

Ward Three—All that portion of the city lying between a line beginning at a point in the Acushnet River at the line between the City of New Bedford and the Town of Fairhaven, and passing north of Popes and Fish Islands, and thence through the middle line of the following streets, namely: North, Newton, Mill and Kempton to the line between the City of New Bedford and the Town of Dartmouth, and the line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven and drawn through the middle of the following streets, namely Wamsutta, Purchase, Austin, County, Hazard, Summer, Robeson, and the last named line extended to the line between the City of New Bedford and the Town of Dartmouth.

Ward Four—All that portion of the city lying between a line beginning at a point in the Acushnet River in the line, between the City of New Bedford and the Town of Fairhaven, and passing south of Popes and Fish Islands, and thence through the middle of the following streets, namely: Walnut, County and Arnold, to the line between the City of New Bedford and the Town of Dartmouth, and the line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven passing north of Popes and Fish Islands, and thence through the middle line of the following streets, namely North, Newton, Mill and Kempton to the line between the City of New Bedford and the Town of Dartmouth.

Ward Five—All that portion of the city lying between a line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven and passing north of Palmers Island; thence through the middle of the following streets, namely: Potomska, Purchase, Thompson, Bonney and Rockland; thence westerly across the Rural Cemetery and through the middle of Winterville Road to the line between the City of New Bedford and the Town of Dartmouth, and the line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven, and passing south of Popes and Fish Islands, and thence through the middle of the following streets, namely: Walnut, County and Arnold, to the line between the City of New Bedford and the Town of Dartmouth.

Ward Six—All that portion of the city lying south of a line beginning at a point in the Acushnet River in the line between the City of New Bedford and the Town of Fairhaven

and passing north of Palmers Island; thence through the middle of the following streets, namely: Potomska, Purchase, Thompson, Bonney and Rockland; thence westerly across the Rural Cemetery and through the middle of Winterville Road to the line between the City of New Bedford and the Town of Dartmouth.

In Board of Aldermen, Dec. 23, 1914. Adopted and sent down for concurrence.

In Common Council, Dec. 23, 1914. Concurred.

Presented to and approved by the Mayor, Dec. 24, 1914.

A true copy, attest:

W. H. B. REMINGTON, City Clerk.

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#### EXTRACT FROM LAW.

Section 4 of Chapter 676 of the Acts of 1914, entitled "An Act relative to the re-division of cities into wards and voting precincts," is as follows:

##### Chapter 676, Acts 1914.

"Section 4. Said Chapter eight hundred and thirty-five is hereby further amended by striking out section two hundred and nineteen and inserting in place thereof the following new section: Section 219. For all elections held prior to the annual state primary in the second year following a re-division of a city into wards, and for the assessment of taxes prior to such time, the wards as existing prior to such re-division shall continue, and for such purposes the election officers shall be appointed and hold office, and voting lists shall be prepared, and all other things required by law shall be done as if no such re-division had been made. For all other purposes, the new division shall take effect on the thirty-first day of December of the year when it is made."

W. H. B. REMINGTON, City Clerk.

## NEW PRECINCT LINES, CITY OF NEW BEDFORD.

City Clerk's Office, Jan. 15, 1915.

The following order, dividing the wards of the City of New Bedford, as established by the City Council, Dec. 24, 1914, into precincts, is hereby published for the information of the inhabitants:—

W. H. B. REMINGTON, City Clerk.

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ORDER OF DIVISION OF WARDS.

## CITY OF NEW BEDFORD.

In Board of Aldermen, Jan. 14, 1915.

ORDERED, That the wards of the City of New Bedford as established by the City Council of 1914, be and they hereby are divided into voting precincts, as follows:

## WARD ONE.

Precinct 1—All that part of ward 1 lying northerly and westerly from the following described lines, viz: Beginning at a point in the Acushnet river and in an extension easterly of the centre line of Belleville road to the centre line of the Old Colony railroad; thence southerly in the centre line of the Old Colony railroad to its junction with the line between ward 1 and ward 2; thence westerly in the centre line of the Watuppa branch of the Old Colony railroad to the line between the city of New Bedford and the town of Dartmouth.

Precinct 2—All that part of ward 1 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Manomet street, Riverside avenue, Hathaway street, Belleville avenue, Earle street, the Old Colony railroad, and Belleville road to the Acushnet river.

Precinct 3—All that part of ward 1 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Deane street, the Old Colony railroad, Earle street, Belleville avenue, Hathaway street, Riverside avenue, and Manomet street to the Acushnet river.

Precinct 4—All that part of ward 1 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Sawyer street, Old Colony railroad, and Deane street to the Acushnet river.

## WARD TWO.

Precinct 5—All that part of ward 2 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Wamsutta street, Old Colony railroad, and Sawyer street to the Acushnet river.

Precinct 6—All that part of ward 2 bounded by the following lines in sequence, viz: The centre lines of Wamsutta street, Purchase street, Austin street, County street, Linden street, Reynolds street and Reynolds street produced, and the Old Colony railroad.

Precinct 7—All that part of ward 2 bounded by the following lines in sequence, viz: The centre lines of Hazard street, Summer street, Robeson street, Cottage street, Mt. Pleasant street, Old Colony railroad, Reynolds street and Reynolds street produced, Linden street, and County street.

Precinct 8—All that part of ward 2 bounded by the following lines in sequence, viz: The centre lines of Robeson street and Robeson street produced, the line between the city of New Bedford and the town of Dartmouth, the centre line of the Old Colony railroad, and the centre lines of Mt. Pleasant and Cottage streets.

## WARD THREE.

Precinct 9—All that part of ward 3 bounded by the following lines in sequence, viz: The centre lines of North street, Hill street, Hillman street, State street, Willis street, State street, Pearl street, County street, Austin street, Purchase street, and Wamsutta street.

Precinct 10—All that part of ward 3 bounded by the following lines in sequence, viz: The centre lines of North street, Chestnut street, Robeson street, Summer street, Hazard street, County street, Pearl street, State street, Willis street, State street, Hillman street, and Hill street.

Precinct 11—All that part of ward 3 bounded by the following lines in sequence, viz: The centre lines of North street, Cedar street, Parker street, Shawmut avenue, Robeson street and Chestnut street.

Precinct 12—All that part of ward 3 bounded by the following lines in sequence, viz: The centre lines of North street, Newton street, Mill street, Kempton street, the line



between the city of New Bedford and the town of Dartmouth, the centre lines of Robeson street and Robeson street produced, Shawmut avenue, Parker street and Cedar street.

#### WARD FOUR.

Precinct 13—All that part of ward 4 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Walnut street, County street and North street to the Acushnet river, including the islands in the Acushnet river known as "Fish island" and "Popes island."

Precinct 14—All that part of ward 4 bounded by the following lines in sequence, viz: The centre lines of Arnold, Ash, North and County streets.

Precinct 15—All that part of ward 4 bounded by the following lines in sequence, viz: The centre lines of Arnold, Tremont, Mill, Newton, North and Ash streets.

Precinct 16—All that part of ward 4 bounded by the following lines in sequence, viz: The centre line of Arnold street and Arnold street extended, the line between the city of New Bedford and the town of Dartmouth, and the centre lines of Kempton, Mill and Tremont streets.

#### WARD FIVE.

Precinct 17—All that part of ward 5 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Potomska, Purchase, Thompson, County, Sixth and Walnut streets to the Acushnet river.

Precinct 18—All that part of ward 5 bounded by the following lines in sequence, viz: The centre lines of Thompson, Bonney, Rockland, Orchard, Arnold, County, Walnut, Sixth and County streets.

Precinct 19—All that part of ward 5 bounded by the following lines in sequence, viz: The centre line of Rockland street, the southerly line of ward 5 in Rural cemetery, the centre lines of Lewis street and Lewis street extended, Grape, Oak, Clay, Ward, Bedford, Ash, Arnold and Orchard streets.

Precinct 20—All that part of ward 5 bounded by the following lines in sequence, viz: The southerly line of ward 5

in Rural cemetery, the centre line of Winterville road, the line between the city of New Bedford and the town of Dartmouth, the centre lines of Arnold street and Arnold street extended, Ash street, Ward street, Clay street, Oak street, Grape street, Lewis street and Lewis street extended.

#### WARD SIX.

Precinct 21—All that part of ward 6 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Gifford, Water, Division, Crapo, Thompson, Purchase and Potomska streets to the Acushnet river including the island in Acushnet river known as "Palmer's island."

Precinct 22—All that part of ward 6 bounded by the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Ruth street and Brock avenue to Clarks cove; beginning again at Clarks cove and extending through the centre lines of Crapo, Division, Water and Gifford streets to the Acushnet river.

Precinct 23—All that part of ward 6 bounded by the following lines in sequence, viz: The boundary line between the city of New Bedford and the town of Dartmouth, the centre line of Winterville road, the northerly line of ward 6 across Rural cemetery, the centre lines of Rockland, Bonney, Thompson and Crapo streets to Clarks cove.

Precinct 24—All that part of ward 6 lying southerly of the following lines in sequence, viz: Beginning at the Acushnet river and extending through the centre lines of Ruth street and Brock avenue to Clarks cove.

In Board of Aldermen, Jan. 14, 1915. Adopted.

Presented to and approved by the mayor Jan. 15, 1915.

A true copy, attest:

W. H. B. REMINGTON, City Clerk.

For election purposes, the above precinct divisions become operative Jan. 1, 1916.

The ward and precinct divisions in existence at the municipal election in 1914 remain in force for all elections in 1915, excepting that precinct 16 of Ward six, as then existing, has been divided into two precincts, in accordance with law. (Precincts 16 and 19).

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A description of said precincts which become immediately operative, and remain in force during the year 1915, is contained in the following order:—

PRECINCTS 16 AND 19, 1915.

City of New Bedford,

In Board of Aldermen, Jan. 14, 1915.

Ordered, That precinct 16 be and it hereby is divided into two precincts, to be known as Precinct 16 and Precinct 19, as follows:

Precinct 16. All that part of ward six lying between a line passing through the center of the following streets, Gifford, Water, Division and County, and a line passing through the centre of Ruth street and Brock avenue to County street.

Precinct 19. All that part of Ward six lying southerly of a line passing through the center of Ruth street and Brock avenue to County street.

In Board of Aldermen, Jan. 14, 1915. Adopted.

Presented to and approved by the mayor, Jan. 15, 1915.

A true copy, attest:

W. H. B. REMINGTON, City Clerk.

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